Form OGC-1a

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.: 22061

# APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name:

1a. Type of Work
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. Unit Agreement Name:

b. Type of Well
Oil Well [X] Gas Well [ ] Other — Single Zone [ ] Multiple Zone [ ]

8. Farm or Lease Name: State

2. Name of Operator: Lomax Exploration Company

9. Well No.: 12-36

3. Address of Operator: P.O. Box 4503, Houston, Texas 77210

10. Field and Pool, or Wildcat: Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: 638' FWL & 2046' FSL NW/SW

11. Sec., T., R., M., or Blk. and Survey or Area

At proposed prod. zone

Section 36, T8S, R16E

14. Distance in miles and direction from nearest town or post office*: 12 miles South of Myton, Utah

12. County or Parrish: Duchesne 13. State: Utah

| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) | 16. No. of acres in lease | 17. No. of acres assigned to this well |
|---|---|---|
| 638 | 640 | 40 |

| 18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. | 19. Proposed depth | 20. Rotary or cable tools |
|---|---|---|
| 1195 | 5700' Green River | Rotary |

21. Elevations (Show whether DF, RT, GR, etc.): 5505' GR

22. Approx. date work will start*: April, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

| Size of Hole | Size of Casing | Weight per Foot | Setting Depth | Quantity of Cement |
|---|---|---|---|---|
| 12 1/4 | 8 5/8 | 24 | 300 | To Surface |
| 7 7/8 | 5 1/2 | 17 | TD | As Needed |

RECEIVED
FEB 23 1983
DIVISION OF

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed: G. L. Pruitt Title: V.P. Drilling & Production Date: 2/22/83

(This space for Federal or State office use)

Permit No. ..... Approval Date .....

Approved by ..... Title ..... Date .....

Conditions of approval, if any:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 3-2-83
BY:

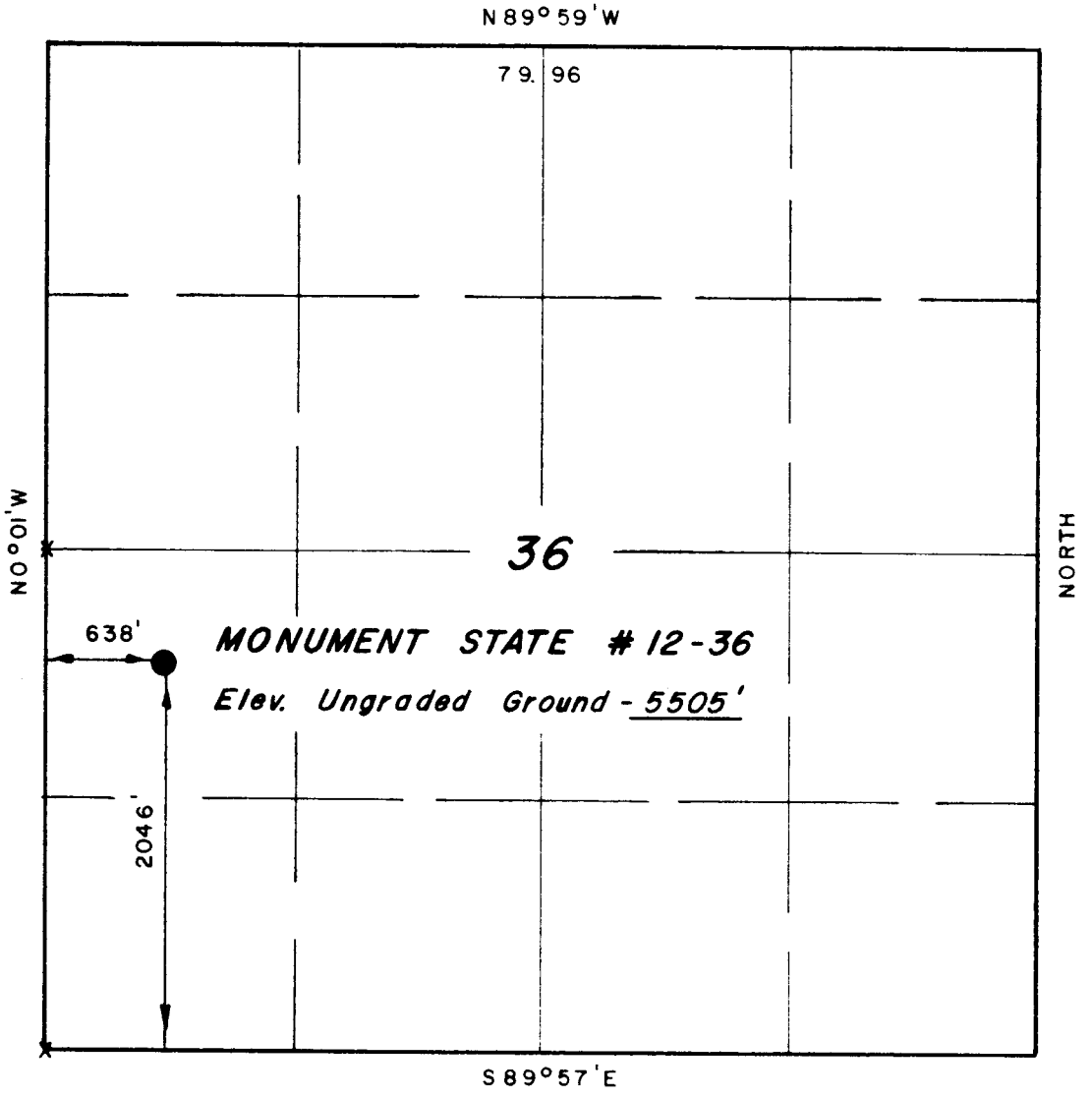
*See Instructions On Reverse Side

PROJECT

# LOMAX EXPLORATION CO.

Well location, *MONUMENT STATE # 12-36*, located as shown in the NW 1/4 SW 1/4 Section 36, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

## T 8 S, R 16E, S.L.B. & M.




X = Section Corners Located


CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

| SCALE | DATE |
|---|---|
| 1" = 1000' | 2/14/83 |
| PARTY | REFERENCES |
| R.K. D.B. J.K. | GLO Plat |
| WEATHER | FILE |
| Cold | LOMAX |

OPERATOR LOMAX EXPLORATION CO DATE 3-7-23

WELL NAME STATE 12-36

SEC NW SW 36 T 8S R 16E COUNTY DUCHESNE

| 43-013-30746 | STATE |
|---|---|
| API NUMBER | TYPE OF LEASE |

POSTING CHECK OFF:

| | | |
|---|---|---|
| ☐ INDEX | ☐ HL | ☐ |
| ☐ NID | ☐ PI | ☐ |
| ☐ MAP | ☐ | ☐ |

PROCESSING COMMENTS: No oil wells within 1000'

RJF

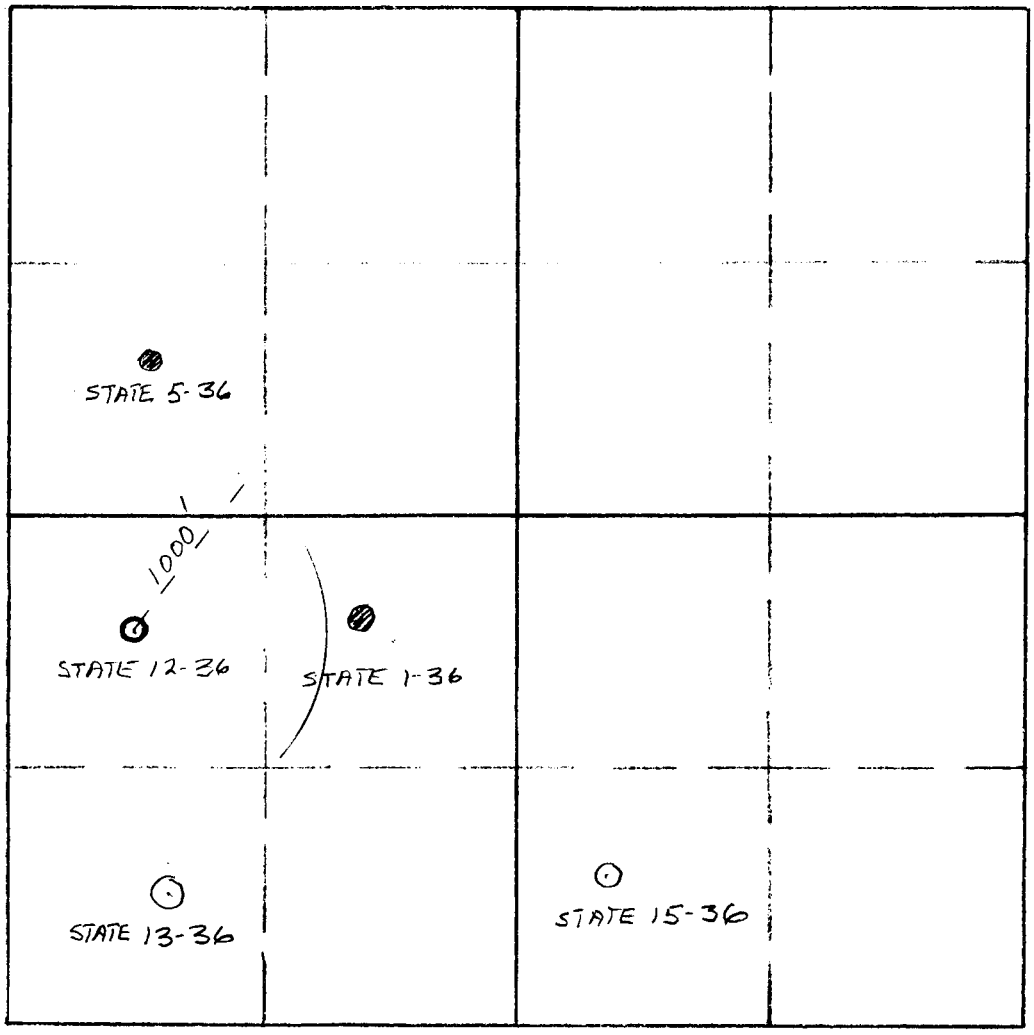
APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☐ c-3-a _____ CAUSE NO. & DATE

☒ c-3-b ☐ c-3-c

SPECIAL LANGUAGE:

- [✓] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- [✓] AUTHENTICATE LEASE AND OPERATOR INFORMATION
- [✓] VERIFY ADEQUATE AND PROPER BONDING STATEWIDE
- [✓] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- [ ] APPLY SPACING CONSIDERATION
  - [ ] ORDER _____
  - [ ] UNIT _____
  - [X] c-3-b
  - [ ] c-3-c
- [✓] OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.
- [✓] IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER




SCALE 1:1000

SECTION 36
TOWNSHIP 8S
RANGE 16E
COUNTY DUCHESNE

March 2, 1983

Lomax Exploration Company
P. O. Box 4503
Houston, Texas 77210

RE: Well No. State 12-36
NWSW Sec. 36, T.8S, R.16E
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30746.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: State Lands
Enclosure

DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

NAME OF COMPANY: LOMAX EXPLORATION CO.

WELL NAME: MONUMENT STATE 12-36

SECTION NWSW 36 TOWNSHIP 8S RANGE 16E COUNTY DUCHESNE

DRILLING CONTRACTOR ORIAN

RIG # 1

SPUDDED: DATE 9-4-83

TIME 6:00 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Michelle

TELEPHONE # 713-931-9276

DATE 9-6-83 SIGNED AS

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.: 22061

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Lomax Exploration Company

8. FARM OR LEASE NAME: Monument State

3. ADDRESS OF OPERATOR: P.O. Box 4503, Houston, TX 77210

9. WELL NO.: 12-36

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 638' FWL & 2046' FSL NW SW

10. FIELD AND POOL, OR WILDCAT: Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 36, T8S, R16E

14. PERMIT NO.: 43-013-30746

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5505'GR

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [ ] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | | | | |
| (Other) SPUD NOTIFICATION | | | [X] | (Other) | | | [ ] |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8/26/83 Drilled 12 1/4" hole to 306' w/dryhole digger. Set 8 5/8" 24# J-55 csg @ 296'GL. Cemented w/200 sx class "G" + 2% CaCl + 1/4#/sx flocele. Bumped plug. Float did not hold. Shut in.

Spud w/Orion Rig #1 @ 6:00 A.M. 9/4/83

RECEIVED
SEP 12 1983
DIV. OF OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED G.L. Pruitt TITLE V.P. Drilling & Production DATE 9/7/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGCC-3

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE (See other instructions on reverse side)

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED NOV 28 1983 DIV. OF OIL, GAS & MINING

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: Lomax Exploration Company

3. ADDRESS OF OPERATOR: P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 638' FWL & 2046' FSL NW/SW
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: 22061

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Monument State

9. WELL NO.: 12-36

10. FIELD AND POOL, OR WILDCAT: Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 36, T8S, R16E

| 14. PERMIT NO. | DATE ISSUED | 12. COUNTY OR PARISH | 13. STATE |
|---|---|---|---|
| 43-013-30746 | 3/2/83 | Duchesne | Utah |

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (*Ready to prod.*) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 9/4/83 | 9/12/83 | 10/20/83 | 5505' GR | 5505 |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 5708 | 5240 | | → | X | |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Green River 4989-5006

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL-CDL, DLL, CBL-GR

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 8 5/8 | 24 | 306 | 12 1/4 | 200 sx class "G" + 2% CaCl + 1/4#/sx flocele. | |
| 5 1/2 | 17 | 5700 | 7 7/8 | 400 sx class "G" Gypseal | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2 7/8 | 5014 | |

31. PERFORATION RECORD (*Interval, size and number*)

5327-59 (1 SPF)
4989-98 (1 SPF)
5001-06 (1 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| 5327-59 | 40,800 gals gelled KCL water & 96,800# 20/40 sand |
| 4989-5006 | 24,500 gals gelled KCL water & 82,000# 20/40 sand |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*) | WELL STATUS (*Producing or shut-in*) |
|---|---|---|
| 10/20/83 | Pumping | Producing |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 11/13/83 | 24 | Open | | 45 | 202 | 3 | 4500 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| 0 | 0 | | 45 | 202 | 3 | 35 |

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Used for fuel & sold.

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED G.L. Pruitt TITLE V.P. Drilling & Production DATE 11/15/83

*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
**Item 29:** *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

38. GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|---|---|---|---|---|---|---|
| Green River | -1784 | | | | | |
| Garden Gulch | -3956 | | | | | |
| Douglas Creek | -4958 | | | | | |
| D | -4988 | | | | | |
| C | -5164 | | | | | |
| B | -5326 | | | | | |
| Black Shale Facies | -5658 | | | | | |

FILE IN TRIPLICATE
FORM OGC-8-X

56 64 03

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

*REPORT OF WATER ENCOUNTERED DURING DRILLING*

Well Name & Number Monument State # 12-36

Operator Lomax Exploration Address Roosevelt, Utah.

Contractor Orion Address Denver, Colorado

Location ¼ ¼ Sec. 36 T. 8S R. 16E County Duchesne

Water Sands

| | Depth | | Volume | Quality |
|---|---|---|---|---|
| | From | To | Flow Rate or Head | Fresh or Salty |
| 1. | no water encountered | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |

(Continue of reverse side if necessary)

Formation Tops

Surface Uinta
Green River 1782' - (+3733)
Garden Gulch 3957 - (+1558)
Douglas Creek 4958 (+557)
Black Shale Facies 5658 (-143)
T.D. @ 5710

Remarks

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.

(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 31, 1984

Lomax Exploration Company
333 N. Belt E #800
Houston TX 77210-4503

RE: Well No. State #12-36
API #43-013-30746
638' FWL, 2046' FSL NW/SW
Sec. 36, T. 8S, R. 16E.
Duchesne County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office November 15, 1983 on the above referred to well, indicates the following electric logs were run: CNL-CDL, DLL, and CBL-GR. As of todays date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones

Claudia Jones
Well Records Specialist

CJ/cj

STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
Utah Water Pollution Control Committee
150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

Calvin K. Sudweeks
Executive Secretary
Rm 410 (801) 533-6146

March 21, 1985

Lomax Exploration Company
P. O. Box 4503
Houston, Texas 77210-4503

ATTENTION: Paul Curry,
Engineering Assistant

Gentlemen:

We acknowledge receipt of your letter dated May 30, 1984 notifying us of the location of the ponds for the wells described below and sources of produced water in accordance with Part VI, Utah Wastewater Disposal Regulations, Section 6.5.1.b. The regulations require that the disposal ponds...."shall be constructed such that no surface discharge or significant migration to subsurface will result."

As time and weather allows, a brief inspection of these ponds will be made by members of our staff during this next month. The wells are:

| Well Number | Location Section | Township | Range | Average Quantity(BWPD) Produced Water |
|---|---|---|---|---|
| Monument Butte St. #1-2 | 2 | 9S | 16E | 0.5 |
| Monument Butte St. #3-2 | 2 | 9S | 16E | 0.1 |
| Gilsonite State #1-32 | 32 | 8S | 17E | 1.6 |
| Gilsonite State #1A-32 | 32 | 8S | 17E | 1.1 |
| Gilsonite State #2-32 | 32 | 8S | 17E | 0.1 |
| Gilsonite State #4-32 | 32 | 8S | 17E | 0.3 |
| Gilsonite State #5-32 | 32 | 8S | 17E | 0.2 |
| Gilsonite State #6-32 | 32 | 8S | 17E | 4.0 |
| Gilsonite State #7-32 | 32 | 8S | 17E | 1.3 |
| Gilsonite State #9-32 | 32 | 8S | 17E | 0.1 |
| Gilsonite State #11-32 | 32 | 8S | 17E | 0.4 |
| Gilsonite State #12-32 | 32 | 8S | 17E | 0.3 |
| Monument Butte St. #1-36 | 36 | 8S | 16E | 0.1 |
| Monument Butte St. #5-36 | 36 | 8S | 16E | 0.1 |
| Monument Butte St. #12-36 | 36 | 8S | 16E | 0.1 |
| Monument Butte St. #13-36 | 36 | 8S | 16E | 0.9 |

If you have any questions regarding this matter, please contact us.

Sincerely,
UTAH WATER POLLUTION CONTROL COMMITTEE

Calvin K. Sudweeks
Executive Secretary

BLN:pa
cc: Division of Oil, Gas and Mining
Uintah Basin District Health Department
BLM/Oil and Gas Operation - Vernal District
272-10

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 24, 1985

Uintah Basin Standard
Legal Advertizing
Roosevelt, Utah 84066

Gentlemen:

RE: Cause UIC-066

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 2nd day of October. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340 Ex. 5296.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Very truly yours,
DIVISION OF OIL, GAS AND MINING

Marlayne Larson

MARJORIE L. LARSON
Administrative Assistant

mfp
0045A

STATE OF UTAH
NATURAL RESOURCES
Oil Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 17, 1985

Lomax Exploration Company
333 North Belt East, Suite 880
Houston, Texas 77060

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-066

Administrative approval is hereby granted to convert the following listed wells to enhanced recovery water injection wells:

State # 5-36
Township 8 South, Range 16 East, Section 36
Duchesne County, Utah

State # 12-36
Township 8 South, Range 16 East, Section 36
Duchesne County, Utah

This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best regards,

Dianne R. Nielson
Director

mfp
7627U

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF LOMAX EXPLORATION COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO CERTAIN WELLS LOCATED IN THE MONUMENT BUTTE FIELD, DUCHESNE COUNTY, UTAH : CAUSE NO. UIC-066

---ooOoo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that Lomax Exploration Company, 333 North Belt East, Suite 880, Houston, Texas, 77060, has requested administrative approval from the Division to convert the wells mentioned below, to enhanced recovery water injection wells as follows:

Well # 5-36

Townsnip 8 South, Range 16 East, Section 36, SW/NW
Injection Interval: Green River Formation 4991' to 5008'

Well # 12-36

Township 8 South, Range 16 East, Section 36, NW/SW
Injection Interval: Green River Formation 4989' to 5006'

Approval of this application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 23rd day of September, 1985.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Marjorie L. Anderson
MARJORIE L. ANDERSON
Administrative Assistant

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
(Revised 1983)

IN THE MATTER OF THE APPLICATION OF
LOMAX EXPLORATION COMPANY
ADDRESS 333 North Belt East, Suite 880
Houston, Texas ZIP 77060
INDIVIDUAL ____ PARTNERSHIP ____ CORPORATION XX
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE 12-36 MBS WELL
SEC. 36 TWP. 8S RANGE 16E
Duchesne COUNTY, UTAH

CAUSE NO. _____

| | |
|---|---|
| ENHANCED RECOVERY INJ. WELL | XX |
| DISPOSAL WELL | ☐ |
| LP GAS STORAGE | ☐ |
| EXISTING WELL (RULE I-4) | ☐ |

| Lease Name | Well No. | Field | County |
|---|---|---|---|
| Monument Butte State | 12-36 | Monument Butte | Duchesne |

Location of Enhanced Recovery Injection or Disposal Well 638'FWL & 2046'FSL Sec. 36 Twp. 8S Rge. 16E

New Well To Be Drilled Yes ☐ No XX

Old Well To Be Converted Yes XX No ☐

Casing Test Yes XX No ☐ Date When converted

Depth-Base Lowest Known Fresh Water Within ½ Mile None

Does Injection Zone Contain Oil-Gas-Fresh Water Within ½ Mile YES XX NO ☐

State What Oil & Gas

Location of Injection Source(s) SE/4 Sec. 15, T4S, R2W

Geologic Name(s) and Depth of Source(s) Surface - Artesian Spring

Geologic Name of Injection Zone Green River

Depth of Injection Interval 4989 to 5006

| a. Top of the Perforated Interval: | b. Base of Fresh Water: | c. Intervening Thickness (a minus b) |
|---|---|---|
| 4989 | 0 | 4989 |

Is the intervening thickness sufficient to show fresh water will be protected without additional data? **YES ** XXX

Lithology of Intervening Zones Sandstone, Siltstone, Shales, Limestones, Dolomite

Injection Rates and Pressures
Maximum 1,000 B/D
1,800 PSI (surface)

The Names and Addresses of Those to Whom Notice of Application Should be Sent.
See attached Exhibit D

_____
Name and Title of Representative of Company

Date: _____, 19 ____

EXHIBIT B

(OVER)

# EXHIBIT H

**LOMAX EXPLORATION**
VISCO WATER ANALYSIS
INJECTION WATER

Dissolved Solids

| Cations | Mg/l |
|---|---|
| Sodium $NA^{+}$ | 138 |
| Calcium $CA^{++}$ | 192 |
| Magnesium $Mg^{++}$ | 49 |
| Barium $BA^{++}$ | -0- |
| Total Cations: | 379 |

| Anions | |
|---|---|
| Chloride $Cl^{-}$ | 61 |
| Sulfate $CO_4^{=}$ | 703 |
| Carbonate $CO_3^{=}$ | 0 |
| Bicarbonate $HCO_3^{-}$ | 163 |
| Total Anions: | 927 |

| | |
|---|---|
| Total Dissolved Solids | 1306 |
| Total Iron | -0- |
| pH | 7.8 |

Analysts: J. J. Fitzsimmons
Nalco Chemical Co.

ISCO Water Analysis

repared for Lomax Exploration
Salt Lake City, UT

Greg Pettine
NALCO Chemical Company
11-Jan-85

ell Number : 5-36
ater Source : Produced

ISSOLVED SOLIDS

| ations | | Mg/l | Meq/l | | Mg/l |
|---|---|---|---|---|---|
| odium | Na+ | 7,497.16 | 325.96 | as NaCl | |
| alcium | Ca++ | 124.00 | 6.20 | as CaCO3 | 310.00 |
| agnesium | Mg++ | 9.72 | 0.80 | as CaCO3 | 40.00 |
| arium | Ba++ | | | as CaCO3 | |
| otal Cations | | 7,630.88 | 332.96 | | |

| nions | | Mg/l | Meq/l | | Mg/l |
|---|---|---|---|---|---|
| hloride | Cl- | 11,533.00 | 325.23 | as NaCl | 19,000.00 |
| ulfate | SO4= | 121.68 | 2.53 | as Na2SO4 | 180.00 |
| arbonate | CO3= | | | as CaCO3 | |
| icarb. | HCO3- | 317.20 | 5.20 | as CaCO3 | 260.00 |
| otal Anions | | 11,971.88 | 332.96 | | |
| otal Solids | | 19,602.76 | | | |
| otal Iron,Fe | | 1.00 | | as Fe | 1.00 |
| cid to Phen,CO2 | | | | as CaCO3 | |

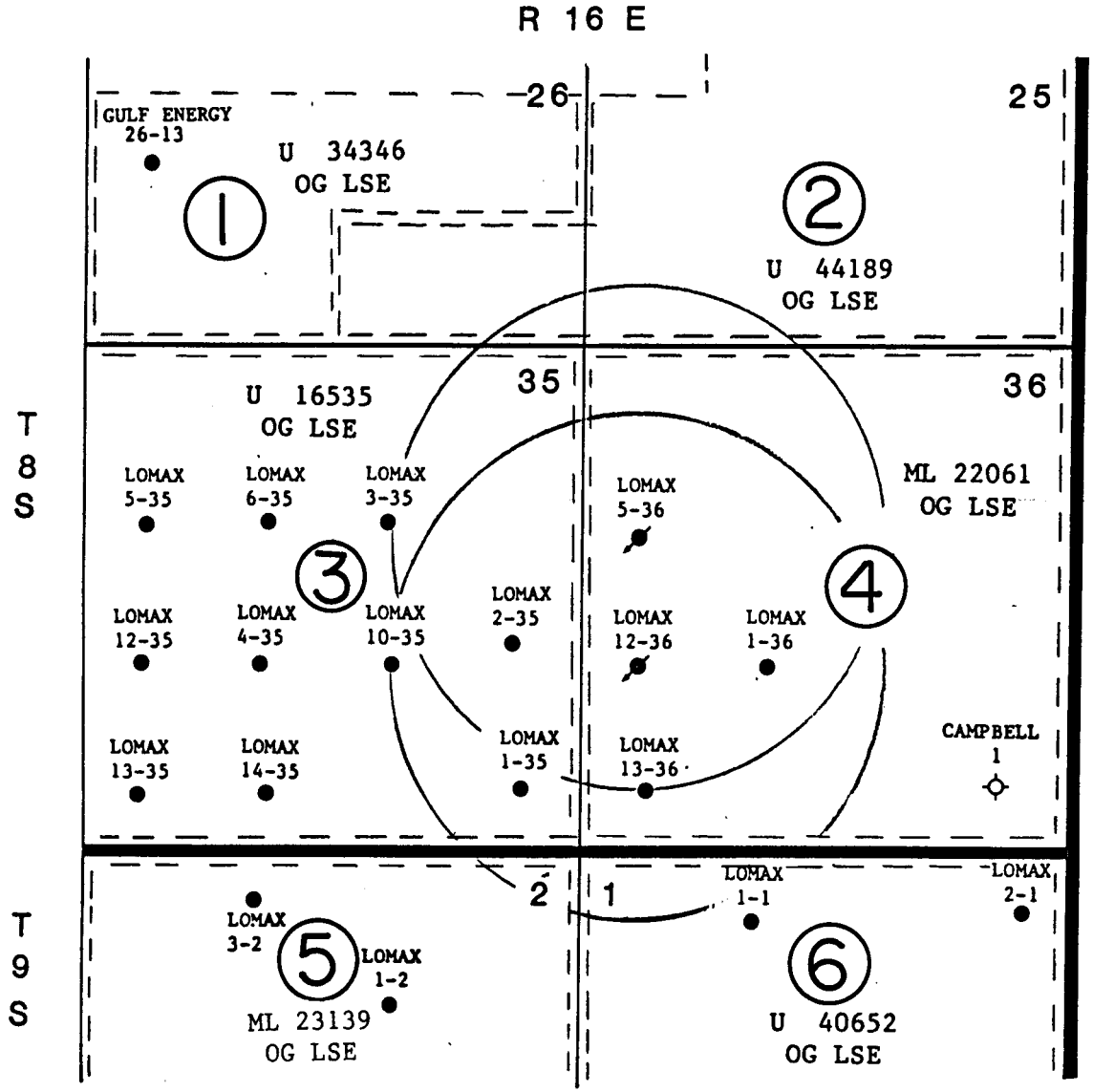
THER PROPERTIES

| | |
|---|---|
| H | 8.00 |
| pecific Gravity | |
| urbidity | |
| xygen, as O2 ppm | |
| ulfide as H2Sppm | |
| emperature F | |

STABILITY INDICES

| Temp | CaCO3 | CaSO4 |
|---|---|---|
| 60 F | 0.31 | -38.62 |
| 80 F | 0.51 | -39.13 |
| 100 F | 0.73 | -39.23 |
| 120 F | 0.98 | -39.70 |
| 140 F | 1.25 | -39.38 |
| 160 F | 1.54 | -38.83 |
| 180 F | 1.86 | -37.56 |

EXHIBIT I



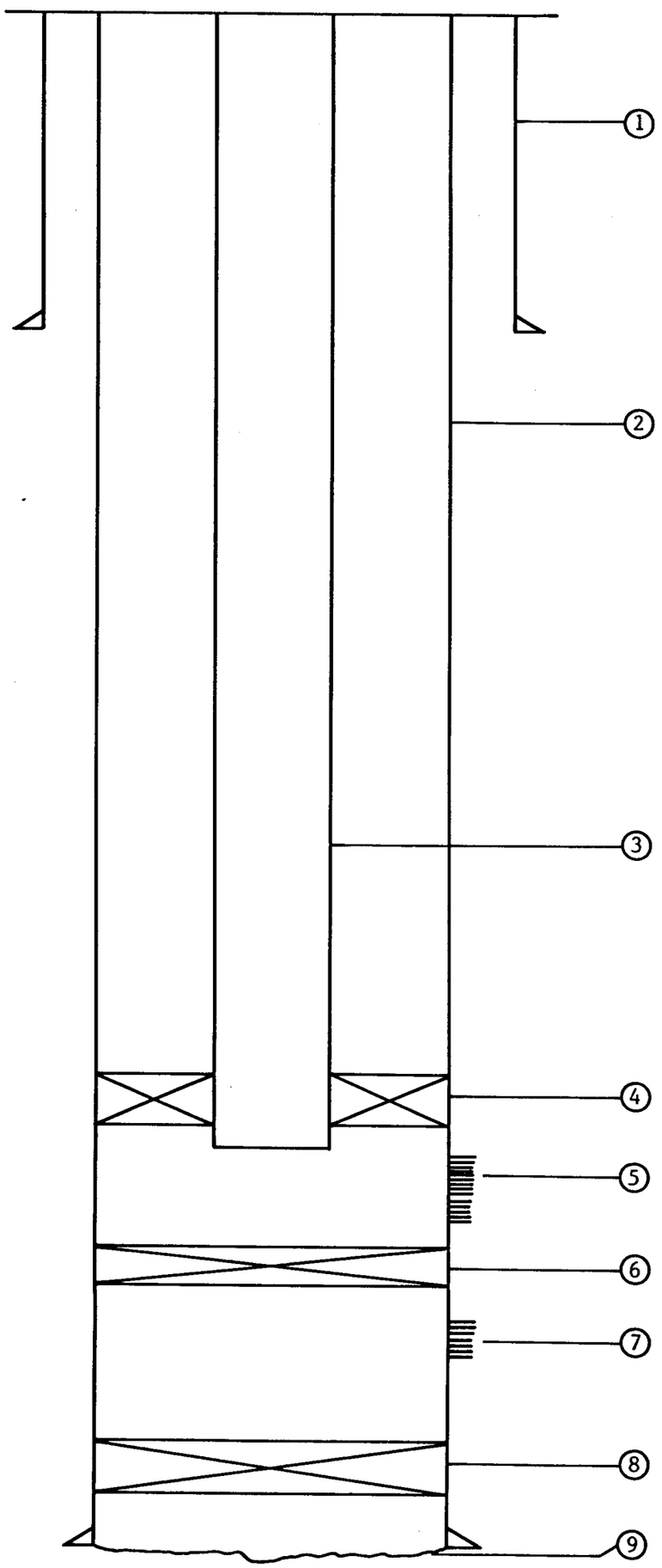

GULF ENERGY 26-13 T.D. 6450'
LOMAX 5-35 T.D. 6020'
LOMAX 6-35 T.D. 5683'
LOMAX 3-35 T.D. 5748'
LOMAX 12-35 T.D. 5680'
LOMAX 4-35 T.D. 5660'
LOMAX 10-35 T.D. 5750'
LOMAX 2-35 T.D. 6455'
LOMAX 13-35 T.D. 6400'
LOMAX 14-35 T.D. 5800'
LOMAX 1-35 T.D. 5565'
LOMAX 5-36 T.D. 5655'
LOMAX 12-36 T.D. 5708'
LOMAX 1-36 T.D. 6407'
LOMAX 13-36 T.D. 5562'
LOMAX 1-1 T.D. 5504'
LOMAX 2-1 T.D. 5750
LOMAX 3-2 T.D. 5904'
LOMAX 1-2 T.D. 5461'
CAMPBELL 1 T.D. 5510'

● PRODUCING WELL
PROPOSED INJECTION WELL
DRY HOLE

# MONUMENT BUTTE
# DUCHESNE CO., UTAH
# MINERAL RIGHTS
# EXHIBIT C2

# EXHIBIT F

## MONUMENT BUTTE STATE #12-36
## PROPOSED WATER INJECTION WELL
## SEC. 36, T8S, R16E
## DUCHESNE COUNTY, UTAH



1.) 8 5/8", 24#, J-55 casing set @ 306'. Cement w/200 sacks class "G".

2.) 5 1/2", 17#, J-55 casing set @ 5700'

Cement top @ 3050'. Good to excellent bonding is indicated from 3058' to T.D.

3.) 2 7/8", J-55, 65# EUE tubing

4.) Packer set @ 4950'

5.) Perforations: 4989' to 4998'( 1 SPF ), 5001' to 5006'( 1 SPF )
(INJECTION ZONE-GREEN RIVER FM.)

6.) C.I.B.P. set @ 5240'

7.) Perforations: 5327' to 5359'

8.) PBTD 5661'

9.) T.D. 5707'. Bottom hole location is same as surface location.

EXHIBIT G

HALLIBURTON SERVICES

July 10, 1985

P. O. BOX 339, VERNAL UTAH 84078

Mr. John Steuble
Lomax Exploration
50 West Broadway Suite 1200
Salt Lake City, UT 84101

RE: Frac Gradients
Monuments Butte State
12-36 and 5-36
Sec. 36 Twp. 8 S. Rge 16E
Duchesne County, UT

Dear John:

Below is the information you requested on the above described well.

The 5-36 was fracture stimulated on July 1, 1982. The instant shut-in pressure was 1940 psi. The perforations started at 5481 ft. The water used to displace the frac weighed 8.43 lbs. per gallon, thus the frac gradient is .79.

The 12-36 was fracture stimulated on October 08, 1983. The instant shut-in pressure was 1850 psi. The perforations started at 4989 ft. The water used to displace the frac weighed 8.43 lbs. per gallon, thus the frac gradient is .80.

If any further information is needed, please feel free to contact us.

Thank you,

C. E. Dansie
Field Supervisor
Vernal, UT

CED/pf

cc: C. Morey
D. J. Lube
R. Curtice
R. Jacquier
File

RECEIVED
JUL 15 1985
LOMAX EXPLORATION

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

* * * * * * * * *

Operator: Lomax Well No. MB 12-36

County: Duchesne T 8S R 16E Sec. 36 API# 43-013-30746

New Well ___ Conversion ✓ Disposal Well ___ Enhanced Recovery Well ✓

| | YES | NO |
|---|---|---|
| UIC Forms Completed | ✓ | |
| Plat including Surface Owners, Leaseholders, and wells of available record | ✓ | |
| Schematic Diagram | ✓ | |
| Fracture Information | ✓ | |
| Pressure and Rate Control | ✓ | |
| Adequate Geologic Information | ✓ | |
| Fluid Source | artesian spring | |
| Analysis of Injection Fluid | Yes ✓ No ___ | TDS 1306 |
| Analysis of Water in Formation to be injected into | Yes ✓ No ___ | TDS 19602 |
| Known USDW in area | none | Depth ___ |
| Number of wells in area of review | 6 Prod. 5 | P&A ___ |
| | Water ___ | Inj. 1 |
| Aquifer Exemption | Yes ___ | NA ✓ |
| Mechanical Integrity Test | Yes ✓ No ___ | |
| | Date * | Type ___ |

Comments: Upon completion of well as a WI well

Reviewed by: [signature]

**LOMAX EXPLORATION COMPANY**

**Application for Approval of Class II**

**Injection Wells**

Monument Butte State #5-36
Monument Butte State #12-36

## RULE 1-5 APPLICATION FOR APPROVAL OF CLASS II INJECTION WELLS

a) Each application for the approval of a newly drilled or newly converted Class II Injection Well shall be filed on Form DOGM-UIC-1. The original and six (6) copies of the application and three complete sets of attachments shall be furnished to the Board.

**Answer:**

Form DOGM-UIC-1 is attached as Exhibit A & Exhibit B.

b) The application for the approval of Class II Injection Well(s) shall be accompanied by:

(1) A plat showing the location and total depth of the following wells: The Class II Injection Well, each water well(s), each abandoned, producing or drilling well, and dry hole, within one-half mile of the class II injection well. The plat must identify the surface owner(s) of the land within one-half mile of the Class II Injection Well, and each operator of a producing leasehold within one-half mile of each Class II Injection Well. Only wells of available public record are required to be included on the plat.

**Answer:**

See Exhibits C1, C2 & D. There is no known source of potable water within one-half mile of either well.

(2) A copy of the notice of completion Form DOGM-UIC-2, and if required by the Board and/or Director:

(i) for a surface casing intended to protect underground sources of drinking water: resistivity, spontaneous potential, and caliper logs; and a cement bond, temperature, or density log after the casing is set and cemented.

(ii) For intermediate and long strings of casing intended to facilitate injection: resistivity, spontaneous potential, porosity, and gamma ray logs before the casing is installed; fracture finder logs, and a cement bond, temperature or density log after the casing is set and cemented.

**Answer:**

Previously submitted Completion Reports.

Three copies of the 1) Compensated Neutron-Density, 2) Dual Laterlog, 3) Gamma Ray, and 4) Cement bond log for each well are attached.

(3) A schematic diagram of the Class II well showing:

i the total depth or plug-back depth of the well;

ii the depth of the injection or disposal interval;

iii the geological name of the injection or disposal zone;

iv the depth of the tops and bottoms of the casing and cement;

v the size of the casing and tubing, and the depth of the packer;

vi an assessment of the presently existing cement bond between the casing and formation;

vii the location of bottom hole.

**Answer:**

Shown on Exhibits E & F.

(4) Information showing that injection into the proposed zone will not initiate fractures through the confining strata which could enable the injection fluid or formation fluid to enter a USDW.

i The Board may approve injection provided a finding is made from data, the applicant is required to furnish, and affidavits supporting the validity of such information.

**Answer:**

Frac gradients for the two wells are as follows:

| | |
|---|---|
| MBS #5-36 | 0.79 |
| MBS #13-36 | 0.80 |

An affidavit indicating these gradients is attached as Exhibit G. These gradients were obtained from frac jobs previously conducted by Haliburton.

| | 5-36 | 12-36 |
|---|---|---|
| Frac Gradient | .79 | .80 |
| Frac Pressure (bottom) | 3943 | 3991 |
| Frac Pressure (surface) | 1782 | 1831 |

Maximum surface pressure requested is 1800 psig for the MBS #12-36 and 1750 psig for the MBS #5-36. High pressure shut down devices and relief valves will be operated at or below these levels to insure fracture will not be exceeded.

ii The applicant is required to provide data including the maximum injection rate, maximum surface injection pressure, injection fluid and the lithology and rock properties of the injection zone and confining strata. The applicant's data must demonstrate that the proposed maximum surface injection pressure combined with the pressure of the well's hydrostatic head above the injection zone results in a pressure at the injection zone which is less than that pressure which could initiate fractures in the confining strata and enable the injection fluid or the formation fluid to enter a USDW.

**Answer:**

Maximum Injection Rate 1000 BPD
Maximum Injection Pressure 1750 psig (#5-36)
Maximum Injection Pressure 1800 psig (#12-36)
Injection Fluid: Surface water (see attached Exhibit H for fluid properties)

The injection zone is composed of porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular.

The confining stratum directly above and below the injection zone is composed of tight, moderately calcareous sandy lacustrine shales. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

(5) Proposed operating data:

i design injection rates and pressures and a procedure for controlling injection rates and pressures such as a relief valve, regulator, or other pressure control device.

**Answer:**

The water shall be injected via triplex pumps powered by natural gas engines. The injection rate shall be controlled by the sheaving on the pump and engine as well as flow control valves and RPM adjustments of the engine. High pressure and low pressure gauges shall be wired into the engine's ignition system in order to shut down the injection operations should the system develop a problem. A relief valve shall also be included in the discharge line which would relieve the injection water back into the storage facilities.

ii geologic name, depth, and location of injection fluid source;

**Answer:**

The source of the injected water will initially be an artesian spring located in the SE/4 Sec.15, T4S, R2W. When an appreciable amount of produced water is availble it shall also be reinjected.

iii qualitative and quantitative analysis of representative sample of water to be injected;

**Answer:**

Shown on Exhibit H.

iv appropriate geological data on the injection zone and confining zones including the lithologic description, geologic name, thickness, depth, and lateral extent;

**Answer:**

The injection zone is the Douglas Creek member of the Green River Formation. The Douglas Creek is composed of porous and permeable lenticular

calcareous sandstones and low porosity carbonates and calcareous shales. At the #12-36 Monument Butte location, the injection zone is 12' thick with the top at 4989'. At the #5-36 Monument Butte location, the injection zone is 13' thick with the top at 4992'. The porous and permeable lenticular sandstones vary in thickness from 0' to 36' and are confined to the Monument Butte Field by low porosity calcareous shales and carbonates. Outside the field, the sandstones are composed of tight, very fine, silty, calcareous sandstones less than 3' thick.

The confining stratum directly above and below the injection zone is the Douglas Creek member of the Green River Formation, with it's top at 4956' in the #12-36 and 4964' in the #5-36. The strata confining the injection zone is composed of tight, moderately calcareous sandy lacustrine shales. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

v the geologic name, lateral extent, and depth to the top and bottom of all underground sources of drinking water which may be affected by the injection;

**Answer:**

There are no known sources of drinking water within one-half mile of either of the proposed injection wells.

vi qualitative analysis of injection formation water on basis for exemption under Rule 1-5(C).

**Answer:**

A qualitative analysis of the Green River formation waters is shown in Exhibit I. Presently this formation does not serve as a source of drinking water. It is not anticipated to serve as a source of drinking water in the future due to the commercially producible hydrocarbons contained within the reservoir.

(6) Contingency plan to cope with all shut-ins or well failures so as to prevent migration of polluting fluids into any underground source of drinking water.

**Answer:**

The injection system will be equipped with high and low pressure shut-down devices which will automatically shut-in injection waters if a system blockage or leakage occurs. One way check valves will also insure proper flow management. Relief valves will also be utilized for high pressure relief.

(7) The results of any formation testing programs.

**Answer:**

Injectivity tests will be conducted as the wells are coverted. At the present time both wells are being produced.

(8) A description of the mechanical intergrity test, the actual injection procedure and notification to the Division of the date and time of test to provide the Division the opportunity to monitor the test.

**Answer:**

The casing outside the tubing shall be tested to a pressure greater than the maximum injection pressure (1800 psig). The division will be notified of the date and time of the test.

(9) For new wells, the status of corrective action on defective wells in the area of review.

**Answer:**

This does not apply to our application.

(10) Any other additional information which the Board shall determine is necessary in order to adequately review the application.

**Answer:**

Lomax Exploration will await review of this application and additional information will be submitted if required.

**EXHIBIT D**
Page 1

| Tract | Description of Lands | Minerals Ownership | Minerals Leased By | Federal or State # & Expir. Date | Surface Grazing Rights Leased by |
|---|---|---|---|---|---|
| 1 | T8S, R16E,<br>Sec. 26<br>SW/4, NE SE/4,<br>NW SE/4 | USA | Harper Oil<br>Seattle First Nat'l Bank | U34346<br>Held by Production | Elmer Moon |
| 2 | T8S, R16E,<br>Sec. 25, S/2<br>Sec. 26<br>SE SE/4, SW SE/4 | USA | Antelope Production | U44189<br>Held by Production | Elmer Moon |
| 3 | T8S, R16E,<br>Sec. 25, S/2,<br>Sec. 26,<br>SE SE/4, SW SE/4 | USA | Lee Martin<br>James Fischgrund<br>WHJ Exploration Co.<br>Estate W. S. Dumas, Jr.<br>Thomas Battle<br>Anton Meduna<br>Arden Anderson<br>Edwards & Davis Energy<br>Robison Energy<br>Jerry Robison<br>Gary Womack<br>A. W. Robison<br>Walker Energy<br>Lomax Oil & Gas Co.<br>Lomax Exlporation Co. | U16535<br>Held By Production | Elmer Moon |

**EXHIBIT D**
Page 2

| Tract | Description of Lands | Minerals Ownership | Minerals Leased By | Federal or State # & Expir. Date | Surface Grazing Rights Leased by |
|---|---|---|---|---|---|
| | T8S, R16E<br>Sec. 36 ALL | State of Utah | Arden Anderson<br>Anton Meduna<br>Thomas Battle<br>Merit Exploration Co.<br>W. S. Dumas, Jr.<br>Walker Energy<br>Lomax Oil & Gas Co.<br>Lomax Exploration Co. | ML 22061<br>Held by Production | Elmer Moon |
| 5 | T9S, R16E<br>Sec. 2 ALL | State of Utah | Arden Anderson<br>Anton Meduna<br>Thomas Battle<br>Merit Exploration Co.<br>W. S. Dumas, Jr.<br>Walker Energy<br>Lomax Oil & Gas Co.<br>Lomax Exploration Co. | ML 21839<br>Held by Production | Elmer Moon |
| 6 | T9S, R16E<br>Sec. 1, N/2 | USA | Raymond Chorney<br>N.G.C. Production Co.<br>Merit Exploration Co<br>Thomas Battle<br>Arden Anderson<br>Anton Meduna<br>Lomax Oil & Gas Co.<br>Lomax Exploration Co. | U40652<br>Held by Production | Elmer Moon |

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 25, 1986

Lomax Exploration Company
50 West Broadway Suite 1200
Salt Lake City, Utah 84101

Gentlemen:

RE: Status of Various Permitted Injection Wells

According to our records, we have not received a notice advising us as to the injection status of the wells listed below.

State #5-36, Sec. 36, T8S, R16E, Duchesne County, Utah
State #12-36, Sec.36, T8S, R16E, Duchesne County, Utah

In order to update our records we would appreciate information indicating the status of these wells.

Thank you in advance for your cooperation. If you have any questions please don't hesitate to call or write our office.

Sincerely,

Marlayne Poulsen

Marlayne Poulsen
UIC Secretary

mfp
0054U-1

Lomax Oil & Gas Company
Lomax Exploration Company

Lomax



April 8, 1986

State of Utah
Natural Resources Oil, Gas & Mining
355 West North Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Attn: Marlayne Poulsen

RE: Permitted Injection Wells

Dear Ms. Poulsen:

In response to your letter dated March 25, 1986, please be advised that the injection status of the following wells has been temporarily suspended:

State #5-36, Sec. 36, T8S, R16E, Duchesne County, Utah
State #12-36, Sec. 36, T8S, R16E, Duchesne County, Utah

Due to the unstable crude market conditions, the proposed injection program is not economical at this time.

As indicated in our Monthly Oil and Gas Production Report, the aforementioned wells are currently producing.

If you have any questions regarding this matter, please contact me.

Very truly yours,

John D. Steuble
Production Manager

JDS/tkb

50 West Broadway, Suite 1200, Salt Lake City, Utah 84101 (801) 322-5009

POW

102717

3180
U-820

September 29, 1987

Lomax Exploration Company
50 West Broadway
Suite 1200
Salt Lake City, Utah 84101

Attn: John D. Steuble

Re: Conversion to Water Injection
43.013.30746 Monument Butte State 5-36
Monument Butte State 12-36
Both in Sec 36, T8S, R16E.
SLB&M
Duchesne County, Utah

Dear Sir:

In so far as this office is concerned, conversion of the above two wells is hereby accepted for record purposes only. This acceptance is contingent upon final approval of the Monument Butte Green River 'D' Secondary Recovery Unit.

If you have any questions in this matter, please contact Al McKee at this office.

Sincerely

Craig M. Hansen
ADM Minerals

cc: State of Utah, DOGM

bcc: Well
Unit
3180
Chron

R.A. MCKEE

AMcKee:ls

OCT 5 1987

BLM

POW

3180
U-820

September 29, 1987

Lomax Exploration Company
50 West Broadway
Suite 1200
Salt Lake City, Utah 84101

Attn: John D. Steuble

Re: Conversion to Water Injection
43.013.30746 Monument Butte State 5-36
Monument Butte State 12-36
Both in Sec 36, T8S, R16E.
SLB&M
Duchesne County, Utah

Dear Sir:

In so far as this office is concerned, conversion of the above two wells is hereby accepted for record purposes only. This acceptance is contingent upon final approval of the Monument Butte Green River 'D' Secondary Recovery Unit.

If you have any questions in this matter, please contact Al McKee at this office.

Sincerely

Craig M. Hansen
ADM Minerals

cc: State of Utah, DOGM

bcc: Well
Unit
RA. MCK 3180
Chron

AMcKee:ls

OCT 5 1987

**Lomax Exploration Company**

P.O. Box 1446
Roosevelt, Utah 84066
(801) 722-5103
FAX (801) 722-9149



**Lomax**

February 13, 1991

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Three Triad Center - Suite 350
Salt Lake City, Utah 84180-1203

RE: Monument Butte State #12-36
Sec. 36, T8S, R16E NW/SE
Duchesne Co. Utah
Monument Butte Green River "D"
Unit #83688U6800

Dear Sir:

Please find enclosed the Well Recompletion Report for the above mentioned well.

If you have any questions or need further information, please don't hesitate to call me.

Sincerely,

Kebbie Jones
Production Secretary

Enclosures

/kj

FORM 8

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
FEB 19 1991
DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: 83688U6800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [X] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other Perforate

7. UNIT AGREEMENT NAME: Monument Butte

8. FARM OR LEASE NAME:

9. WELL NO.: #12-36

2. NAME OF OPERATOR: Lomax Exploration

3. ADDRESS OF OPERATOR: P.O. Box 1446 Roosevelt, Utah 84066

10. FIELD AND POOL, OR WILDCAT: Monument Butte

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface: 638' FWL & 2046' FSL NW/SE
At top prod. interval reported below
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 36, T8S, R16E

| 14. API NO. | DATE ISSUED | 12. COUNTY | 13. STATE |
|---|---|---|---|
| 43-013-30746 | 3-2-83 | Duchesne | Utah |

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod. or Plug & Abd.) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 9-4-83 | 9-12-83 | 11/1/90 | 5505'GR | 5505' |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 5708' | 5661' | | → | X | |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
Green River 4989'-5006', 5327'-5359'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN
None

27. WAS WELL CORED YES [ ] NO [X] (Submit analysis)
DRILL STEM TEST YES [ ] NO [X] (See reverse side)

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 8 5/8" | 24# | 306' | 12¼ | 200sx cl "G" + 2% CaCl + ¼sx flocele | |
| 5 1/2 | 17# | 5700' | 7 7/8 | 400sx cl "G" Gypseal | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2 7/8" | 5376' | |

31. PERFORATION RECORD (Interval, size and number)
4989'-98' 1 spf
5001'-06' 1 spf
5327'-59' 3 add. spf

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| 5327'-59' | 2,982 gals. 15% HCl acid w/ nitrogen |

33. PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|---|---|---|
| 11/1/90 | Pumping | Producing |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 11/10/90 | 71 | | | 59 | 25 | 8 | 135 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| | | | 20 | 9 | 3 | 35.6 |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold & used for fuel

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS
None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Debbie Jones TITLE Production Secretary DATE 2/13/91

See Spaces for Additional Data on Reverse Side

(3/89)

## INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producinginterval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:
Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

| Formation | Top | Bottom | Description, contents, etc. |
|---|---|---|---|
| Green River | -1784 | | |
| Garden Gulch | -3956 | | |
| Douglas Creek | -4958 | | |
| D | -4988 | | |
| C | -5164 | | |
| B | -5326 | | |
| Blk Shale Fac. | -5658 | | |

38. GEOLOGIC MARKERS

| Name | Top | |
|---|---|---|
| | Meas. Depth | True Vert. Depth |

**Lomax Exploration Company**

P.O. Box 1446
Roosevelt, Utah 84066
(801) 722-5103
FAX (801) 722-9149

**Lomax**

July 26, 1993

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
Attention: Ed Forsman

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: Monument State #12-36
NW/SE Section 36, T8S, R16E
Monument Butte (Green River "D") Unit
Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notice and Report" request for approval to install a water drainage tank on the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

Lucy Nemec
Engineering Secretary

\ln
GOVT\FDSN.LTR

Enclosure

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: ML-22061 Unit #83688U6800

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name: Monument Butte (Green River "D") Unit

8. Well Name and Number: Monument State #12-36

9. API Well Number: 430-013-30746

10. Field and Pool, or Wildcat: Monument Butte

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL [X] GAS [ ] OTHER:

2. Name of Operator: LOMAX EXPLORATION COMPANY

3. Address and Telephone Number: 801-722-5103
P.O. Box 1446, Roosevelt, Utah 84066

4. Location of Well
Footages: 638' FWL 2046' FSL
QQ, Sec., T., R., M.: NW/SW Section 36, T8S, R16E
County: Duchesne
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| NOTICE OF INTENT (Submit in Duplicate) | | SUBSEQUENT REPORT (Submit Original Form Only) | |
|---|---|---|---|
| [ ] Abandonment | [ ] New Construction | [ ] Abandonment * | [ ] New Construction |
| [ ] Casing Repair | [ ] Pull or Alter Casing | [ ] Casing Repair | [ ] Pull or Alter Casing |
| [ ] Change of Plans | [ ] Recompletion | [X] Change of Plans | [ ] Shoot or Acidize |
| [ ] Conversion to Injection | [ ] Shoot or Acidize | [ ] Conversion to Injection | [ ] Vent or Flare |
| [ ] Fracture Treat | [ ] Vent or Flare | [ ] Fracture Treat | [ ] Water Shut-Off |
| [ ] Multiple Completion | [ ] Water Shut-Off | [ ] Other | |
| [ ] Other | | | |

Approximate date work will start _____

Date of work completion _____

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Lomax Exploration Company requests approval to change from a surface evaporation pit to a 200 bbl. fully enclosed water drainage tank for the purpose of collecting production water. It will be set approximately 5' below ground level to allow production tank water drains. Water will either be trucked to our approved injection facility located at the Monument Butte Federal #5-35 in T8S, R16E, Section 35, or to a state approved pit.

13.

Name & Signature: Brad Mecham Title: Regional Production MGR. Date: 7/26/93

(This space for State use only)

**Accepted by the State of Utah Division of Oil, Gas and Mining**

**Date:** 7-28-93

**By:** [signature]

Shall not be constructed as to meet definition of an "underground storage tank".

(See Instructions on Reverse Side)

RECEIVED
JUL 27 1993
DIVISION OF OIL, GAS & MINING

(1\93)

**Lomax Exploration Company**

P.O. Box 1446
Roosevelt, Utah 84066
(801) 722-5103
FAX (801) 722-9149

*January 25, 1994*

**Lomax**

*Bureau of Land Management*
*170 South 500 East*
*Vernal, Utah 84078*

*State of Utah*
*Division of Oil, Gas & Mining*
*355 West North Temple*
*Three Triad Center - Suite #350*
*Salt Lake City, Utah 84180-1203*

43-013-30746
*MONUMENT STATE #12-36*
*SEC. 36 T8S R16E NW/SW*
*Monument Butte GR "D" Unit*
*DUCHESNE CO.*
*LEASE #ML-22061*
*83688U6800*

*Gentlemen:*

*Please find enclosed for the above referenced well a new Site Security Diagram. We have installed a production water tank.*

*Please don't hesitate to contact me if you have any questions or require additional information.*

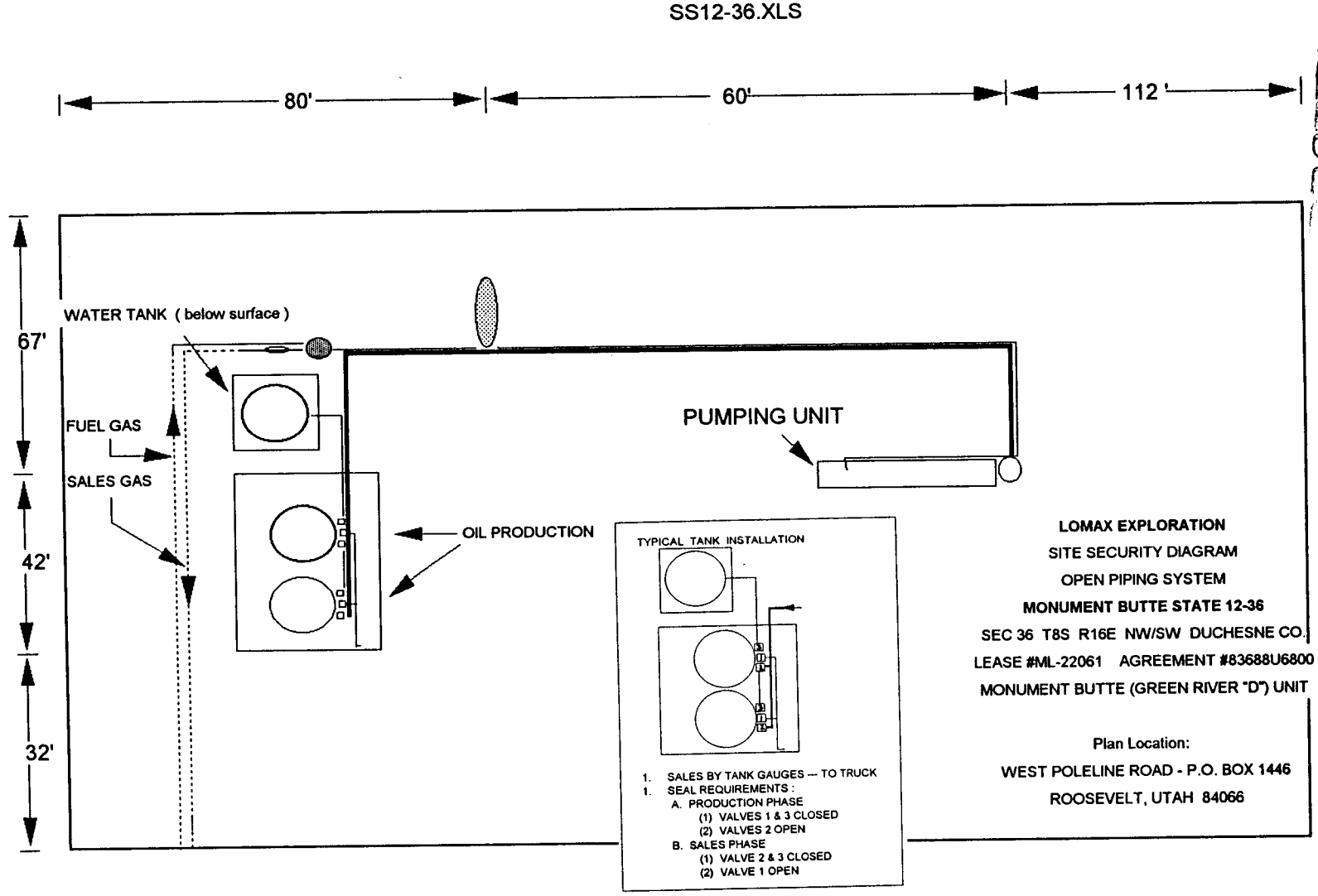
*Sincerely,*
Jody Liddell
*Jody Liddell*
*Field Foreman*

*Enclosures*

*/kj*

SS12-36.XLS






STOCK TANK | WELL HEAD | HORIZONTAL SEPORATOR | METER RUN | GAS SALES SCRUBBER | LINE HEATER | SEALED VALVE | PIPING | PIPING BELOW SURFACE

FORM 10

**STATE OF UTAH**
**DIVISION OF OIL, GAS AND MINING**
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203



# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

KEBBIE JONES
LOMAX EXPLORATION COMPANY
PO BOX 1446
ROOSEVELT UT 84066

UTAH ACCOUNT NUMBER: N0580

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT ☐ **(Highlight Changes)**

| Well Name / API Number | Entity | Location | Producing Zone | Well Status | Days Oper | Production Volumes OIL(BBL) | GAS(MCF) | WATER(BBL) |
|---|---|---|---|---|---|---|---|---|
| FEDERAL 2-33 / 4301330749 | 10628 | 08S 16E 33 | GRRV | | | U34173 | | |
| FEDERAL 14-28 / 4301330792 | 10628 | 08S 16E 28 | GRRV | | | SL071572A | | |
| WEST MONUMENT 10-28 / 4301330856 | 10628 | 08S 16E 28 | GRRV | | | " | | |
| TRAVIS FEDERAL 5-33 / 4301331435 | 10628 | 08S 16E 33 | GRRV | | | U34173 | | |
| FEDERAL 7-23 / 4301330662 | 10629 | 09S 16E 23 | GRRV | | | U15855 | | |
| BOUNDARY FED 11-21 / 4301330752 | 10630 | 08S 17E 21 | GRRV | | | U50376 | | |
| DERAL #1-35 / 4301330561 | 10835 | 08S 16E 35 | GRRV | | | U16535 | | |
| STATE 1-2 / 4301330596 | 10835 | 09S 16E 2 | GRRV | | | ML21839 | | |
| STATE 13-36 / 4301330623 | 10835 | 08S 16E 36 | GRRV | | | ML22061 | | |
| STATE #3-2 / 4301330627 | 10835 | 09S 16E 2 | GRRV | | | ML21839 | | |
| FEDERAL #12-35 / 4301330744 | 10835 | 08S 16E 35 | GRRV | | | U16535 | | |
| STATE 12-36 / 4301330746 | 10835 | 08S 16E 36 | GRRV | | | ML22061 | | |
| FEDERAL 6-35 / 4301330751 | 10835 | 08S 16E 35 | GRRV | | | U16535 | | |
| | | | | **TOTALS** | | | | |

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____

Name and Signature: _____ Telephone Number: _____

Lomax Exploration Company
A subsidiary of Inland Resources Inc.

Lomax



# *Announcing*

# *Our Name Change*

*From*

## Lomax Exploration Company

*To*

# Inland Production Company

*N5160 assigned 7/26/95. Lc

*Field And Corporate Office Locations Remain The Same:*

Corporate Office:
Inland Resources Inc.
475 Seventeenth Street, Suite 1500
Denver, CO 80202

Field Office:
W. Pole Line Road
P.O. Box 1446
Roosevelt, Utah 84066

# United States Department of the Interior

**BUREAU OF LAND MANAGEMENT**
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155



IN REPLY REFER TO:
3100
SL-065914 et al
(UT-923)

NOTICE

| | | |
|---|---|---|
| Inland Production Company | : | Oil and Gas Leases |
| 475 Seventeenth St., Ste. 1500 | : | SL-065914 et al |
| Denver, Colorado 80202 | : | |

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Lomax Exploration Company to Inland Production Company on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

For our purposes, the name change is recognized effective June 29, 1995 (Secretary of State's approval date).

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Lomax Exploration Company to Inland Production Company on Bond No. 4488944 (BLM Bond No. UT0056). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office. BLM Bond Nos. MT0771 and WY0821 should also be changed for the bonds held by Montana and Wyoming respectively.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure
1-Exhibit (1 p)

cc: Hartford Accident & Indemnity Co.
Hartford Plaza
Hartford, CT 06115

bc: Moab District Office
Vernal District Office
Montana State Office
Wyoming State Office
Eastern States Office
MMS--Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
State of Utah, Attn: Lisha Cordova, Division of Oil, Gas & Mining,
355 West North Temple, 3 Triad Center, Suite 350, SLC, UT 84180
Teresa Thompson (UT-922)
Dianne Wright (UT-923)

## EXHIBIT

| | | |
|---|---|---|
| SL-065914 | U-36846 | UTU-66185 |
| SL-071572A | U-38428 | UTU-67170 |
| U-02458 | U-45431 | UTU-68548 |
| U-15855 | U-47171 | UTU-69060 |
| U-16535 | U-50376 | UTU-69061 |
| U-26026 | U-62848 | UTU-72103 |
| U-34173 | UTU-65965 | UTU-72104 |
| U-36442 | UTU-66184 | UTU-73088 |

Lomax Exploration Company
A subsidiary of Inland Resources Inc.

LOMAX

July 13, 1995

State of Utah Department of Natural Resources
Attention: Ms Becky Pritchet
355 W. North Temple
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204

RE: **Corporate Name Change**

Dear Sir or Madame:

Effective July 1, 1995, Lomax Exploration Company will have taken the steps necessary to change its name to **Inland Production Company**. A Certificate issued by the Texas Secretary of State evidencing the name change is attached for your files. We have also attached to this letter those Utah State leases (Exhibit "B") and wells (Exhibit "A") affected by this name change. We have attempted to provide a complete list from the records we have. The intent is to include all leases and wells that Lomax Exploration Company operates or has an interest in.

Riders changing the Principal from Lomax Exploration Company to Inland Production Company under Nationwide Oil and Gas Bond # 4488944 for Lomax Exploration Company will be furnished to the State of Utah in the very near future.

Please amend your records by substituting Inland Production Company in place of Lomax Exploration Company on the leases and wells listed on the attached exhibits. In the future we will begin submitting notices and permits for new operations after July 1, 1995 in the name of Inland Production Company.

Should a fee be required or should you need further information or documents relating to our name change please contact the undersigned at your convenience at the following number: (303) 292-0900 or Cheryl Cameron at our Roosevelt, Utah office (801) 722-5103.

Sincerely yours,

Chris A Potter, CPL
Manager of Land

file:g\chris\cp4041a.doc

# The State of Texas

## Secretary of State

JUNE 30, 1995

MIKE PARSONS...GLAST,PHILLIPS & MURRAY
2200 ONE GALLERIA TWR,13355 NOEL RD,LB48
DALLAS ,TX 75240-6657

RE:
INLAND PRODUCTION COMPANY
CHARTER NUMBER 00415304-00

IT HAS BEEN OUR PLEASURE TO APPROVE AND PLACE ON RECORD YOUR ARTICLES OF AMENDMENT. A COPY OF THE INSTRUMENT FILED IN THIS OFFICE IS ATTACHED FOR YOUR RECORDS.

THIS LETTER WILL ACKNOWLEDGE PAYMENT OF THE FILING FEE.

IF WE CAN BE OF FURTHER SERVICE AT ANY TIME, PLEASE LET US KNOW.

VERY TRULY YOURS,

Antonio O. Garza, Jr., Secretary of State

# The State of Texas

## Secretary of State

CERTIFICATE OF AMENDMENT

FOR

INLAND PRODUCTION COMPANY

FORMERLY

LOMAX EXPLORATION COMPANY
CHARTER NUMBER 00415304

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS, HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SECRETARY OF STATE, AND BY VIRTUE OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS CERTIFICATE OF AMENDMENT.

DATED JUNE 29, 1995

EFFECTIVE JUNE 29, 1995

Antonio O. Garza, Jr., Secretary of State

# ARTICLES OF AMENDMENT TO THE ARTICLES OF INCORPORATION OF LOMAX EXPLORATION COMPANY

FILED
In the Office of the
Secretary of State of Texas
JUN 29 1995
Corporations Section

Pursuant to the provisions of Part Four of the Texas Business Corporation Act, the undersigned corporation adopts the following articles of amendment to its Articles of Incorporation:

1. **Name.** The name of the corporation is LOMAX EXPLORATION COMPANY.

2. **Statement of Amendment.** The amendment alters or changes Article One of the original Articles of Incorporation to read in full as follows:

"Article One. The name of the corporation is INLAND PRODUCTION COMPANY."

3. **Shareholders.** The number of shares of the corporation outstanding at the time of such adoption was 205,315, there being 107,546 Common Shares and 97,769 Non-voting Preferred Shares; and the number of shares entitled to vote thereon was 107,546.

4. **Adoption by Shareholders.** Only the holders of Common Shares of the corporation are entitled to vote on the amendment. The shareholders adopted the foregoing amendment by unanimous written consent dated June 23, 1995, pursuant to the provisions of Article 9.10 of the Texas Business Corporation Act and, therefore, no notice was required to be delivered under said Article 9.10.

5. **Adoption by Board of Directors.** The Board of Directors adopted said amendment by a consent in writing signed by all Directors.

6. **Future Effective Date.** This amendment will become effective on July 1, 1995, at 12:01 a.m.

**EXECUTED** June 26, 1995.

Kyle R. Miller, President

S:\CLIENT-N\9004\10\LOMAX_AMD

FAX COVER SHEET

Inland
RESOURCES INC.
475 17th Street, Suite 1500
Denver, CO 80202
303-292-0900, Fax #303-296-4070

DATE: August 8, 1995

TO: Lisha Cordova

COMPANY: State of Utah - Division of Oil, Gas and Mining

FAX NUMBER: 801 359 3940

FROM: Chris A Potter

NUMBER OF PAGES: 1 (INCLUDING COVER SHEET):

RE: Transfer of Authority to Inject
Lomax Exploration Company to Inland Production Company

I hope the info I sent to you August 1st was acceptable regarding our name change and your phone call to me last week.....

If there is anything missing or you need additional info, please let me know. I am located in our Denver office.....

# Speed Letter®

To Ed Bonner
~~State Lands~~ SCHOOL & INSTITUTIONAL TRUST LANDS ADMIN.

From Don Staley
Oil, Gas and Mining

Subject Operator Change

## MESSAGE

Date 8/23 19 95

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s). These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by State Lands ASAP.

Former Operator: LOMAX EXPLORATION CO. (N 0580)

New Operator : INLAND PRODUCTION CO. (N 5160)

| Well: | API: | Entity: | S-T-R: |
|---|---|---|---|
| (SEE ATTACHED LIST) | | | |

CC: Operator File

Signed Don Staley

## REPLY

Date 19

Signed

Wilson Jones Company
GRAYLINE FORM 44-912 3-PART

RECIPIENT—RETAIN WHITE COPY, RETURN PINK COPY.

| WELL NAME | API | ENTITY | LOCATION | LEASE |
|---|---|---|---|---|
| GILSONITE STATE 10-32 | 43-013-31485 | 99999 | 32-8S-17E | ML22061 |
| GILSONITE STATE 8-32 | 43-013-31498 | 99999 | 32-8S-17E | ML22061 |
| MONUMENT BUTTE STATE 16-2 | 43-013-31510 | 99999 | 2-9S-16E | ML21839 |
| MONUMENT BUTTE STATE 8-2 | 43-013-31509 | 99999 | 2-9S-16E | ML21839 |
| SUNDANCE STATE 5-32 | 43-047-32685 | 11781 | 32-8S-18E | ML22058 |
| MONUMENT BUTTE STATE 14-36 | 43-013-31508 | 11774 | 36-8S-16E | ML22061 |
| GILSONITE STATE 14I-32 | 43-013-31523 | 11788 | 32-8S-17E | ML21839 |
| MONUMENT BUTTE STATE 16-36R | 43-013-10159 | 99999 | 36-8S-16E | ML22061 |
| STATE 5-36 | 43-013-30624 | 10835 | 36-8S-16E | ML22061 |
| STATE 1-36 | 43-013-30592 | 10835 | 36-8S-16E | ML22061 |
| 12-32 | 43-013-30787 | 11486 | 32-8S-17E | ML22060 |
| GILSONITE STATE 13-32 | 43-013-31403 | 99990 | 32-8S-17E | ML22060 |
| GILSONITE STATE 7-32 | 43-013-30658 | 11486 | 32-8S-17E | ML22060 |
| WELLS DRAW STATE 7-36 | 43-013-30934 | 09730 | 36-8S-15E | ML21835 |
| STATE 1-2 | 43-013-30596 | 10835 | 2-9S-16E | ML21839 |
| STATE 13-36 | 43-013-30623 | 10835 | 36-8S-16E | ML22061 |
| STATE 3-2 | 43-013-30627 | 10835 | 2-9S-16E | ML21839 |
| STATE 12-36 | 43-013-30746 | 10835 | 36-8S-16E | ML22061 |
| STATE 1-32 | 43-013-30599 | 11486 | 32-8S-17E | ML22060 |
| GILSONITE STATE 2-32 | 43-013-30604 | 11486 | 32-8S-17E | ML22060 |
| STATE 11-32 | 43-013-30685 | 11486 | 32-8S-17E | ML22060 |
| STATE 1A-32 | 43-013-30691 | 11486 | 32-8S-17E | ML22060 |
| STATE 9-32 | 43-013-30713 | 11486 | 32-8S-17E | ML22060 |
| STATE 5-32 | 43-013-30714 | 11486 | 32-8S-17E | ML22060 |
| STATE 6-32 | 43-013-30748 | 11486 | 32-8S-17E | ML22060 |
| STATE 4-32 | 43-013-30800 | 11486 | 32-8S-17E | ML22060 |
| GILSONITE STATE 14-32 | 43-013-31480 | 11486 | 32-8S-17E | ML22061 |

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: (GIL)

| | |
|---|---|
| 1-LEC | 7-PL |
| 2-LWP | 8-SJ |
| 3-DTS | 9-FILE |
| 4-VLD | |
| 5-RJF | |
| 6-LWP | |

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-29-95 (MERGER))

| | | | |
|---|---|---|---|
| TO (new operator) | INLAND PRODUCTION COMPANY | FROM (former operator) | LOMAX EXPLORATION COMPANY |
| (address) | PO BOX 1446 | (address) | PO BOX 1446 |
| | ROOSEVELT UT 84066 | | ROOSEVELT UT 84066 |
| | KEBBIE JONES | | KEBBIE JONES |
| | phone ( 801 ) 722-5103 | | phone ( 801 ) 722-5103 |
| | account no. N 5160 | | account no. N 0580 |

Well(s) (attach additional page if needed):

| | | | | | | |
|---|---|---|---|---|---|---|
| Name: **SEE ATTACHED** | API: 043-30746 | Entity: | Sec | Twp | Rng | Lease Type: |
| Name: | API: | Entity: | Sec | Twp | Rng | Lease Type: |
| Name: | API: | Entity: | Sec | Twp | Rng | Lease Type: |
| Name: | API: | Entity: | Sec | Twp | Rng | Lease Type: |
| Name: | API: | Entity: | Sec | Twp | Rng | Lease Type: |
| Name: | API: | Entity: | Sec | Twp | Rng | Lease Type: |
| Name: | API: | Entity: | Sec | Twp | Rng | Lease Type: |

OPERATOR CHANGE DOCUMENTATION

Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 7-14-95)

N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).

Lec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____. (7-28-95)

Lec 4. **(For Indian and Federal Wells ONLY)** The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-31-95)

Lwp 6. Cardex file has been updated for each well listed above. 8-16-95

Lwp 7. Well file labels have been updated for each well listed above. 8-23-95

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-31-95)

Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

– OVER –

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ___ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) Trust Lands Admin. / Rider or Repl. in Progress.

N/A/Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

___ 2. A copy of this form has been placed in the new and former operators' bond files.

___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

OTS 2. Copies of documents have been sent to State Lands for changes involving **State leases.** 8/23/95 Sent to Ed Bonner

FILMING

✓ 1. All attachments to this form have been microfilmed. Date: August 30 19 95.

FILING

___ 1. Copies of all attachments to this form have been filed in each well file.

___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950726 Blm/SL Aprv. eff. 6-29-95.

WE71/34-35

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

*SUBMIT IN TRIPLICATE*

5. Lease Designation and Serial No.
**ML-22061**

6. If Indian, Allottee or Tribe Name
**NA**

7. If Unit or CA, Agreement Designation
**NA**

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
**STATE 12-36**

9. API Well No.
**43-013-30746**

2. Name of Operator
**INLAND PRODUCTION COMPANY**

10. Field and Pool, or Exploratory Area
**MONUMENT BUTTE**

3. Address and Telephone No.
**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

11. County or Parish, State
**DUCHESNE COUNTY, UTAH**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
**2046 FSL 0638 FWL NW/SW Section 36, T08S R16E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| [ ] Notice of Intent | [ ] Abandonment | [ ] Change of Plans |
| [X] Subsequent Report | [ ] Recompletion | [ ] New Construction |
| [ ] Final Abandonment Notice | [ ] Plugging Back | [ ] Non-Routine Fracturing |
| | [ ] Casing Repair | [ ] Water Shut-Off |
| | [ ] Altering Casing | [ ] Conversion to Injection |
| | [X] Other **Site Security** | [ ] Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.

RECEIVED
OCT 13 1998
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Kebbie E. Knight Title Manager, Regulatory Compliance Date 10/8/98

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:
CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

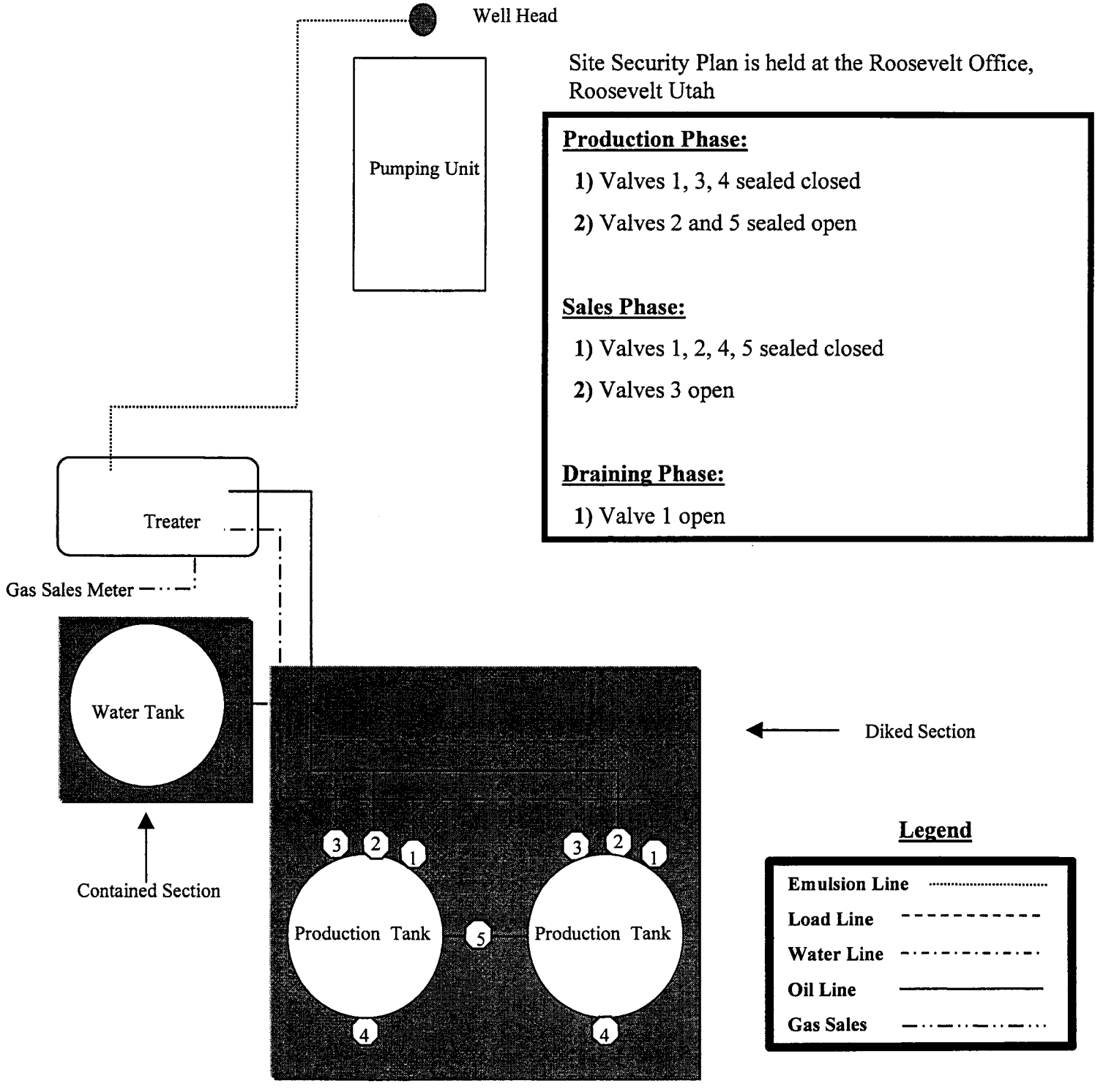
# Inland Production Company
# Site Facility Diagram

**Monument Butte 12-36**

**NW/SW Sec. 36, T8S, 16E**

**Duchesne County**

**May 12, 1998**




Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

**Production Phase:**

1) Valves 1, 3, 4 sealed closed

2) Valves 2 and 5 sealed open

**Sales Phase:**

1) Valves 1, 2, 4, 5 sealed closed

2) Valves 3 open

**Draining Phase:**

1) Valve 1 open

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Geoffrey S. Connor
Secretary of State

# Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

Division of Oil, Gas and Mining

# OPERATOR CHANGE WORKSHEET

| ROUTING |
|---|
| 1. GLH |
| 2. CDW |
| 3. FILE |

Change of Operator (Well Sold) — Designation of Agent/Operator

**X Operator Name Change** — **Merger**

The operator of the well(s) listed below has changed, effective: **9/1/2004**

| **FROM:** (Old Operator): | **TO:** ( New Operator): |
|---|---|
| N5160-Inland Production Company | N2695-Newfield Production Company |
| Route 3 Box 3630 | Route 3 Box 3630 |
| Myton, UT 84052 | Myton, UT 84052 |
| Phone: 1-(435) 646-3721 | Phone: 1-(435) 646-3721 |

**CA No.** **Unit:** **MONUMENT BUTTE (GR D)**

## WELL(S)

| NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---|---|---|---|---|---|---|---|---|
| FEDERAL 1-34 | 34 | 080S | 160E | 4301330808 | 10835 | Federal | WI | A |
| MONUMENT FED 8-34 | 34 | 080S | 160E | 4301330843 | 10835 | Federal | OW | P |
| MONUMENT FED 10-34 | 34 | 080S | 160E | 4301331371 | 10835 | Federal | OW | P |
| MON FED 9-34 | 34 | 080S | 160E | 4301331407 | 10835 | Federal | WI | A |
| FEDERAL 1-35 | 35 | 080S | 160E | 4301330561 | 10835 | Federal | OW | P |
| FEDERAL 4-35 | 35 | 080S | 160E | 4301330605 | 10835 | Federal | WI | A |
| FEDERAL 2-35 | 35 | 080S | 160E | 4301330606 | 10835 | Federal | WI | A |
| FEDERAL 3-35 | 35 | 080S | 160E | 4301330608 | 10835 | Federal | WI | A |
| FEDERAL 5-35 | 35 | 080S | 160E | 4301330686 | 10835 | Federal | WI | A |
| FEDERAL 12-35 | 35 | 080S | 160E | 4301330744 | 10835 | Federal | OW | P |
| MON FED 13-35 | 35 | 080S | 160E | 4301330745 | 10835 | Federal | WI | A |
| FEDERAL 6-35 | 35 | 080S | 160E | 4301330751 | 10835 | Federal | OW | P |
| FEDERAL 10-35 | 35 | 080S | 160E | 4301330801 | 10835 | Federal | OW | P |
| FEDERAL 14-35 | 35 | 080S | 160E | 4301330812 | 10835 | Federal | OW | P |
| MONUMENT FED 8-35 | 35 | 080S | 160E | 4301331263 | 10835 | Federal | OW | P |
| MON FED 15-35 | 35 | 080S | 160E | 4301331264 | 10835 | Federal | WI | A |
| STATE 1-36 | 36 | 080S | 160E | 4301330592 | 10835 | State | WI | A |
| STATE 13-36 | 36 | 080S | 160E | 4301330623 | 10835 | State | WI | A |
| STATE 5-36 | 36 | 080S | 160E | 4301330624 | 10835 | State | WI | A |
| STATE 12-36 | 36 | 080S | 160E | 4301330746 | 10835 | State | OW | P |
| STATE 1-2 | 02 | 090S | 160E | 4301330596 | 10835 | State | WI | A |
| STATE 3-2 | 02 | 090S | 160E | 4301330627 | 10835 | State | WI | A |

## OPERATOR CHANGES DOCUMENTATION

**Enter date after each listed item is completed**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

## DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

## FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

## INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

## FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

## LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

| | |
|---|---|
| 5. LEASE DESIGNATION AND SERIAL NUMBER: | UTAH STATE ML-22061 |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | |
| 7. UNIT or CA AGREEMENT NAME: | MON BUTTE UNIT |
| 1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER | 8. WELL NAME and NUMBER: STATE 12-36 |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | 9. API NUMBER: 4301330746 |
| 3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721 | 10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2046 FSL 638 FWL | COUNTY: DUCHESNE |
| OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSW, 36, T8S, R16E | STATE: UT |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| [ ] NOTICE OF INTENT (Submit in Duplicate) | [ ] ACIDIZE | [ ] DEEPEN | [ ] REPERFORATE CURRENT FORMATION |
| Approximate date work will | [ ] ALTER CASING | [ ] FRACTURE TREAT | [ ] SIDETRACK TO REPAIR WELL |
| | [ ] CASING REPAIR | [ ] NEW CONSTRUCTION | [ ] TEMPORARITLY ABANDON |
| | [ ] CHANGE TO PREVIOUS PLANS | [ ] OPERATOR CHANGE | [ ] TUBING REPAIR |
| | [ ] CHANGE TUBING | [ ] PLUG AND ABANDON | [ ] VENT OR FLAIR |
| [X] SUBSEQUENT REPORT (Submit Original Form Only) | [ ] CHANGE WELL NAME | [ ] PLUG BACK | [ ] WATER DISPOSAL |
| Date of Work Completion: | [X] CHANGE WELL STATUS | [ ] PRODUCTION (START/STOP) | [ ] WATER SHUT-OFF |
| 06/10/2009 | [ ] COMMINGLE PRODUCING FORMATIONS | [ ] RECLAMATION OF WELL SITE | [ ] OTHER: - |
| | [X] CONVERT WELL TYPE | [ ] RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was converted from a producing oil well to an injection well on 06/02/09. On 06/03/09 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test 06/04/09. On 06/04/09 the casing was pressured up to 1560 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.
API# 43-013-30746

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**

NAME (PLEASE PRINT) Jentri Park TITLE Production Tech

SIGNATURE DATE 06/10/2009

(This space for State use only)

RECEIVED
JUN 15 2009
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test
# Casing or Annulus Pressure Test

**Newfield Production Company**
**Rt. 3 Box 3630**
**Myton, UT 84052**
**435-646-3721**

**Witness:** _____ **Date** 6/4/2009 **Time** 10:00 (am) pm

**Test Conducted by:** DAVE Cloward

**Others Present:** _____

| | |
|---|---|
| **Well:** Monument Butte State 12-36-8-16 | **Field:** Monument Butte State 12-36-8-16 |
| **Well Location:** Monument Butte State NW/SW SEC 36, T8S, R16E | **API No:** Duchesne County, Utah 43-013-30746 |

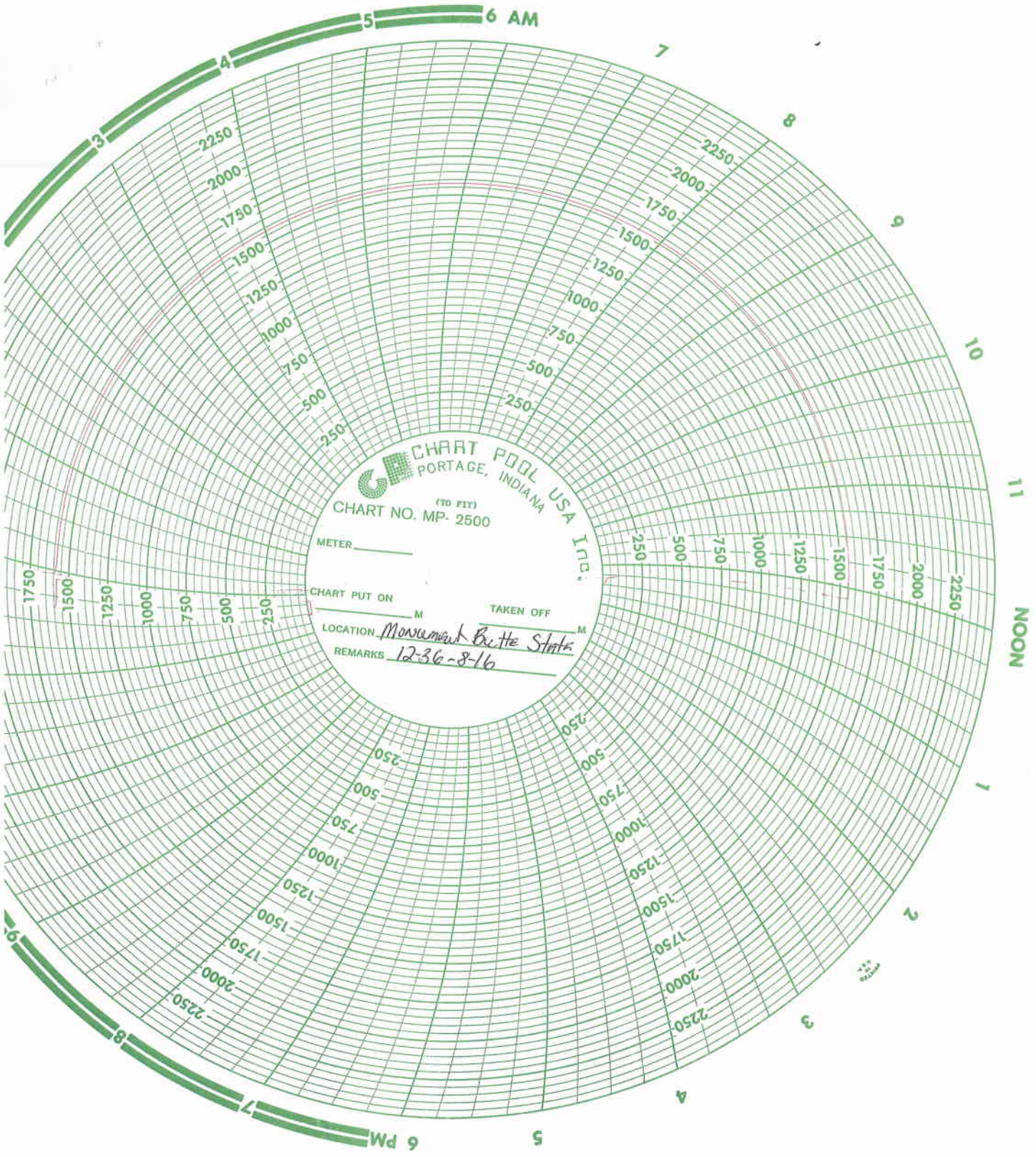
| Time | Casing Pressure | |
|---|---|---|
| 0 min | 1560 | psig |
| 5 | 1560 | psig |
| 10 | 1560 | psig |
| 15 | 1560 | psig |
| 20 | 1560 | psig |
| 25 | 1560 | psig |
| 30 min | 1560 | psig |
| 35 | | psig |
| 40 | | psig |
| 45 | | psig |
| 50 | | psig |
| 55 | | psig |
| 60 min | | psig |

**Tubing pressure:** 0 psig

Result: (Pass) Fail

**Signature of Witness:** _____

**Signature of Person Conducting Test:** David Cloward


6 AM
NOON
6 PM
CHART POOL USA Inc.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER
CHART PUT ON
M
TAKEN OFF
M
LOCATION Monument Butte State
REMARKS 12-36-8-16

NEWFIELD PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

MONUMENT BUTTE STATE #12-36-8-16

MONUMENT BUTTE

LEASE #ML-22061

February 13, 2008

RECEIVED
MAR 07 2008
DIV. OF OIL, GAS & MINING

## TABLE OF CONTENTS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1401 17th Street, Suite 1000
Denver, Colorado 80202

Well Name and number: Monument Butte State 12-36-8-16
Field or Unit name: Monument Butte (Green River) Lease No. ML-22061
Well Location: QQ NW/SW section 36 township 8S range 16E county Duchesne

Is this application for expansion of an existing project? ..... Yes [X] No [ ]
Will the proposed well be used for: Enhanced Recovery? ..... Yes [X] No [ ]
Disposal? ..... Yes [ ] No [X]
Storage? ..... Yes [ ] No [X]
Is this application for a new well to be drilled? ..... Yes [ ] No [X]
If this application is for an existing well,
has a casing test been performed on the well? ..... Yes [ ] No [X]
Date of test:
API number: 43-013-30746

Proposed injection interval: from 3956 to 5708
Proposed maximum injection: rate 500 bpd pressure 1818 psig
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature
Title Regulatory Analyst Date 3/5/08
Phone No. (303) 893-0102

(State use only)
Application approved by Title
Approval Date

Comments:

# Monument Butte #12-36

Spud Date: 9/4/1983
Put on Production: 10/20/1983
GL: 5505' KB: 5515'

Wellbore Diagram

Initial Production: 45 BOPD, 202 MCFD, 3 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts.
DEPTH LANDED: 296' GL
HOLE SIZE:12-1/4"
CEMENT DATA: 210 sxs Class "G" cmt.

## PRODUCTION CASING

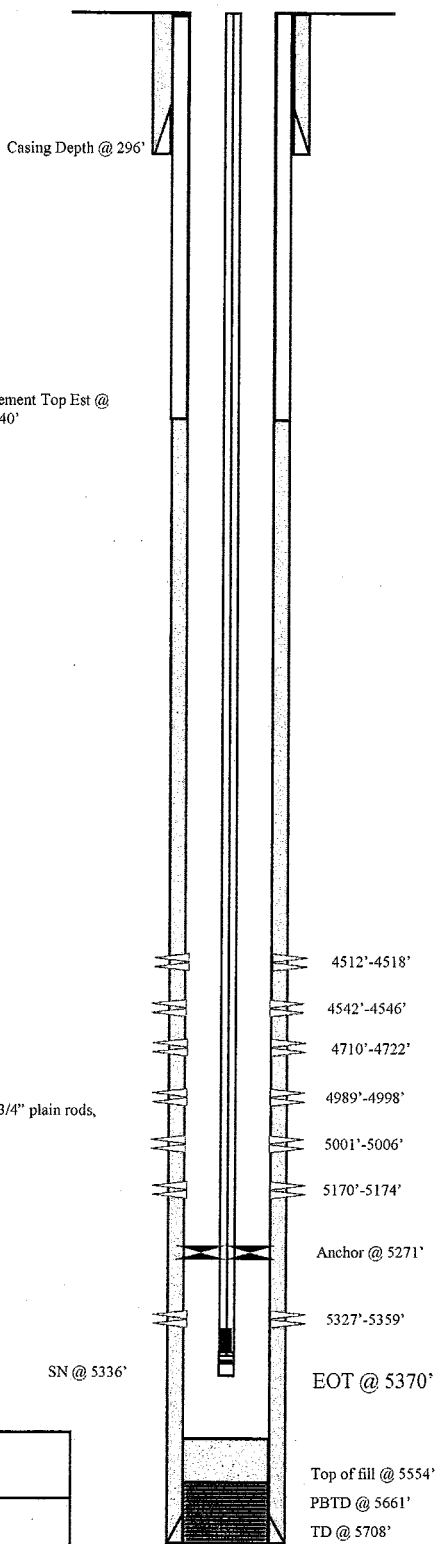
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
DEPTH LANDED: 5700'
HOLE SIZE: 7-7/8"
CEMENT DATA: 400 sxs Class "G"
EST. CEMENT TOP AT: 3040 per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 164 jts (5261.00')
TUBING ANCHOR: 5271.00'
NO. OF JOINTS: 2 jts (5273.85')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5336.00'
NO. OF JOINTS: 1 jts (5337.10')
TOTAL STRING LENGTH: EOT @ 5370.00'

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
SUCKER RODS: 6-1 1/2" weight bars; 17-3/4" guided rods; 77-3/4" plain rods, 112-3/4" guided rods, 1-2', 2-6' x 3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 15.5' Randy's RHAC pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 4 1/2 SPM




## FRAC JOB

| | | |
|---|---|---|
| 11/29/83 | 5327'-5359' | **Frac B-2 sand as follows:** 53,800# 20/40 sand in 971 bbls 5% KCl fluid. Treated @ avg press of 2630 psi w/avg rate of 30 BPM. ISIP 2700 psi. |
| 10/09/83 | 4989'-5006' | **Frac D-1 sand as follows:** 82,000# 20/40 sand in 583 bbls 5% KCl fluid. Treated @ avg press of 1700 psi w/avg rate of 25 BPM. ISIP 1850 psi. |
| 1/7/02 | 5327'-5359' | **Frac B-2 sand as follows:** 33,092# 20/40 sand in 393 bbls Viking I-25 fluid. Treated @ avg press of 4500 psi w/avg rate of 7 BPM. ISIP 6000 psi. Screened out. |
| 1/7/02 | 5170'-5174' | **Frac C-SD sand as follows:** 17,000# 20/40 sand in 116 bbls Viking I-25 fluid. Treated @ avg press of 2900 psi w/avg rate of 5 BPM. ISIP 5180 psi. Screened out. |
| 1/8/02 | 4710'-4722' | **Frac PB-10 sand as follows:** 32,500# 20/40 sand in 310 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 2490 psi. Cal. flush: 4710 gal, Act. flush: 4620 gal. |
| 1/8/02 | 4512'-4546' | **Frac GB sand as follows:** 33,000# 20/40 sand in 302 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 2250 psi. Cal. flush: 4512 gal, Act. flush: 4410 gal. |
| 10/8/07 | | Pump change. Updated rod & tubing details. |

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 09/28/83 | 5327'-5359' | 1 SPF | 32 holes |
| 10/08/83 | 4948'-4998' | 1 SPF | 10 holes |
| 10/08/83 | 5001'-5006' | 1 SPF | 06 holes |
| 10/29/90 | 5327'-5359' | 3 SPF | 96 holes |
| 01/03/02 | 5170'-5174' | 4 SPF | 16 holes |
| 01/03/02 | 4710'-4722' | 4 SPF | 48 holes |
| 01/08/02 | 4512'-4518' | 4 SPF | 24 holes |
| 01/08/02 | 4542'-4546' | 4 SPF | 16 holes |

NEWFIELD

**Monument Butte #12-36**

638' FWL & 2046' FSL
NWSW Section 36-T8S-R16E
Duchesne Co, Utah
API #43-013-30746; Lease #ML-22061

DF 10/25/07

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.

2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.

3. Test casing and packer.

4. Rig down and move out.

## REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
## RULE R615-5-1

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**

2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

   **2.1 The name and address of the operator of the project.**

   Newfield Production Company
   1401 17th Street, Suite 1000
   Denver, Colorado 80202

   **2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

   See Attachment A.

   **2.3 A full description of the particular operation for approval is requested.**

   Approval is requested to convert the Monument Butte State #12-36-8-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

   **2.4 A description of the pools from which the identified wells are producing or have produced.**

   The proposed injection well will inject into the Green River Formation.

   **2.5 The names, description and depth of the pool or pools to be affected.**

   The injection zone is in the Green River Formation. For the Monument Butte State #12-36-8-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3956' -5658'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3956' and the TD is at 5708'.

   **2.6 A copy of a log of a representative well completed in the pool.**

   The referenced log for the Monument Butte Federal #12-36-8-16 is on file with the Utah Division of Oil, Gas and Mining.

**2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

**2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

**2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

**2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

**4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #ML-22061) in the Monument Butte State (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS**
**SECTION V – RULE R615-5-2**

1. **Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**

2. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

   2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

   See Attachments A and B.

   2.2 **Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

   All logs are on file with the Utah Division of Oil, Gas and Mining.

   2.3 **A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

   A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

   2.4 **Copies of logs already on file with the Division should be referenced, but need not be refiled.**

   All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

   2.5 **A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

   The casing program is 8-5/8", 24#, J-55 surface casing run to 296' KB, and 5-1/2" 15.5# J-55 casing run from surface to 5700' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

   2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

   The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

   2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

   See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1818 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Butte State #12-36-8-16, for existing perforations (4512' - 5359') calculates at 0.80 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1818 psig. We may add additional perforations between 3956' and 5708'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Butte State #12-36-8-16, the proposed injection zone (3956' - 5658') is in the Garden Gulch to Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-12.

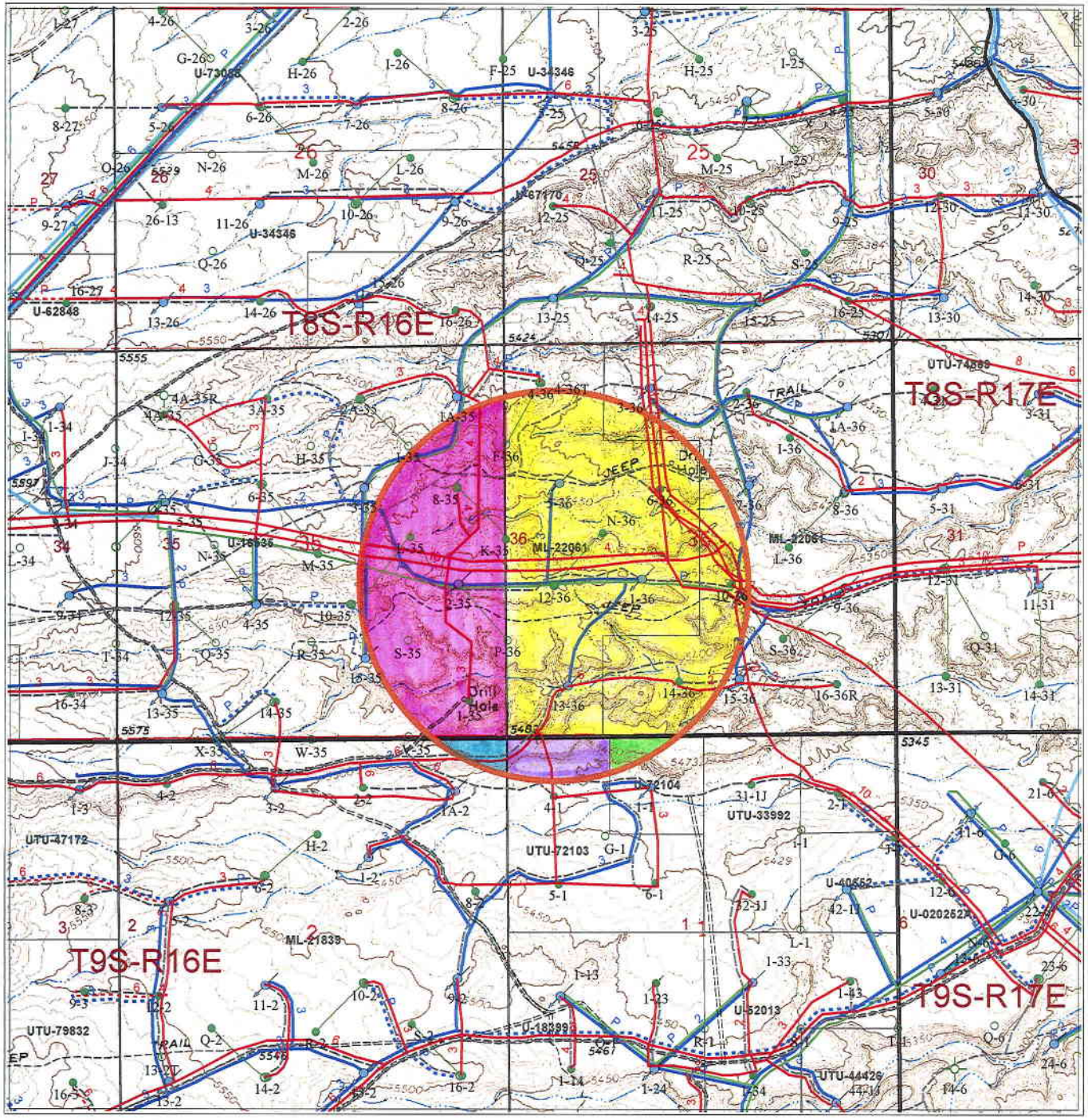
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.




Well Status
- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Countyline

injection system
- high pressure
- low pressure
- proposed
- return
- return proposed

Gas Pipelines
- Gathering lines
- Proposed lines

- Leases
- 12-36-8-16 1/2mile radius

ML-22061
U-16535
U-72104
U-72103
ML-21839

Attachment A

State 12-36-8-16
Section 36, T8S-R16E

NEWFIELD
ROCKY MOUNTAINS

N

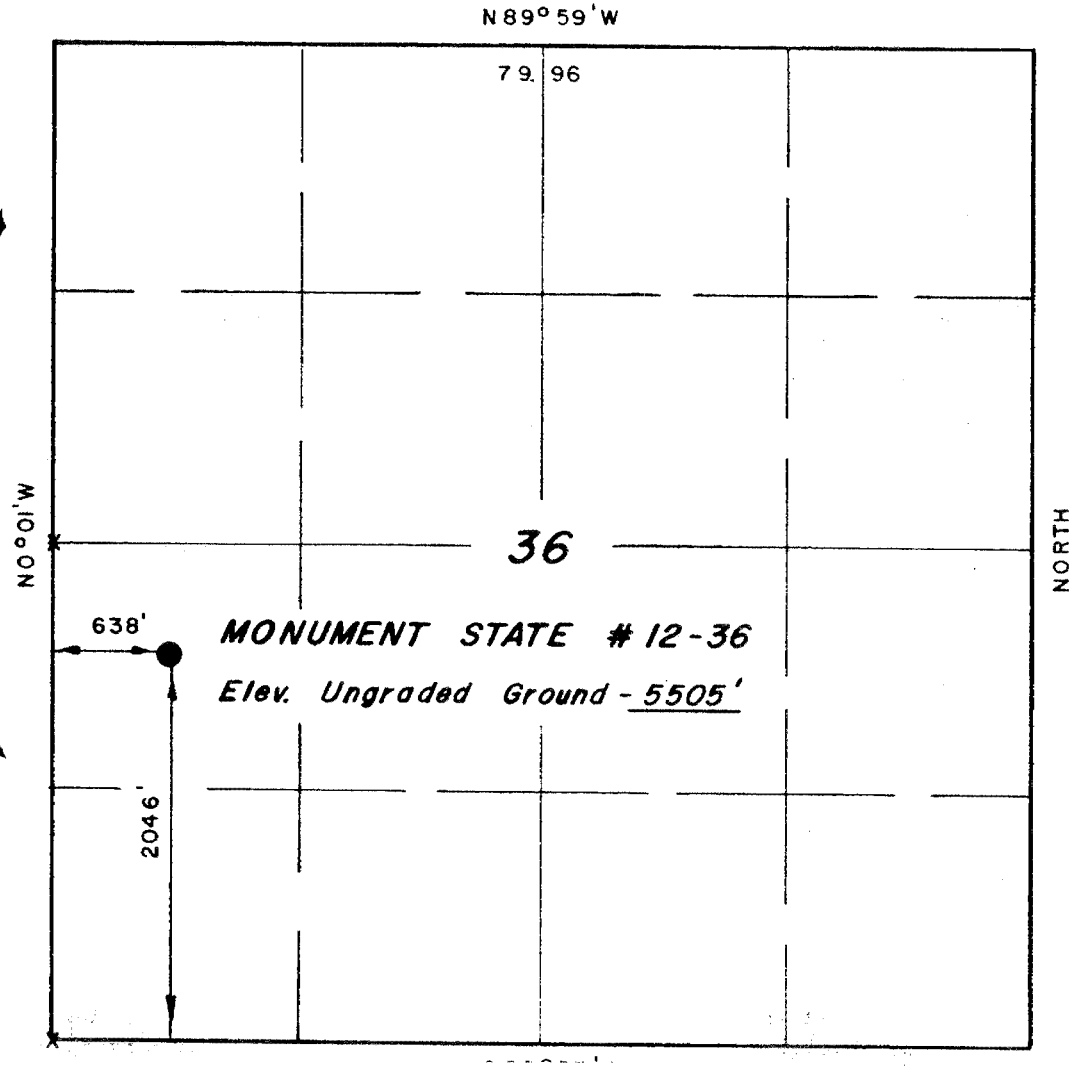
1" = 2000'

1/2 Mile Radius Map
Duchesne County

Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102

February 6, 2008

# T 8 S, R 16 E, S.L.B. & M.




PROJECT

## LOMAX EXPLORATION CO.

Well location, *MONUMENT STATE # 12-36*, located as shown in the NW 1/4 SW 1/4 Section 36, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

Attachment A-1


CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P O. BOX Q — 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

# EXHIBIT B
Page 1

| # | Land Description | Minerals Ownership & Expires | Minerals Leased By | Surface Rights |
|---|---|---|---|---|
| 1 | Township 8 South, Range 16 East<br>Section 36: ALL | ML-22061<br>HBP | Newfield Production Company<br>Davis Bros LLC<br>Beverly Sommer<br>Davis Resources<br>Texas General Offshore Inc.<br>International Drilling Services<br>Raymond H. Brennan<br>Marian Brennan<br>Deer Valley LTD.<br>AGK Energy LLC.<br>Jasper Warren<br>Thomas I. Jackson | (Surface Rights)<br>St. of Utah |
| 2 | Township 8 South, Range 16 East<br>Section 34: NE/4, N/2SE/4, SE/4SE/4 | U-16535<br>HBP | Newfield Production Company<br>Davis Bros LLC.<br>Beverly Sommer<br>Davis Resources<br>Texas General Offshore Inc.<br>International Drilling Services<br>Raymond H. Brennan<br>Whitehall Energy Corp.<br>Marian Brennan<br>Deer Valley LTD.<br>AGK Energy LLC.<br>Jasper Warren<br>Thomas I. Jackson | (Surface Rights)<br>USA |

# EXHIBIT B
Page 2

| # | Land Description | Minerals Ownership & Expires | Minerals Leased By | Surface Rights |
|---|---|---|---|---|
| 3 | Township 9 South, Range 16 East<br>Section 1: Lot 3, | U-72104<br>HBP | Newfield Production Company<br>King Oil & Gas of Texas<br>Jasper Warren | (Surface Rights)<br>USA |
| 4 | Township 9 South, Range 16 East<br>Section 1: Lot 4, S2NW | U-72103<br>HBP | Newfield Production Company<br>Davis Bros LLC<br>Davis Resources | (Surface Rights)<br>USA |
| 5 | Township 9 South, Range 16 East<br>Section 2: All | ML-21839<br>HBP | Newfield Production Company<br>Davis Bros LLC<br>Davis Resources<br>Beverly Sommer<br>Texas General Offshore Inc.<br>International Drilling Services<br>Raymond H. Brennan<br>Marian Brennan<br>Deer Valley Ltd.<br>AGK Energy LLC.<br>Jasper N. Warren<br>Thomas I Jackson | (Surface Rights)<br>St. of Utah |

**ATTACHMENT C**

**CERTIFICATION FOR SURFACE OWNER NOTIFICATION**

RE: Application for Approval of Class II Injection Well
Monument Butte State #12-36-8-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____
Newfield Production Company
Eric Sundberg
Regulatory Analyst

Sworn to and subscribed before me this 5th day of March, 2008.

Notary Public in and for the State of Colorado: _____

My Commission Expires: 05/05/2009

Attm. E

# Monument Butte #12-36

Spud Date: 9/4/1983
Put on Production: 10/20/1983
GL: 5505' KB: 5515'

Proposed P & A
Wellbore Diagram

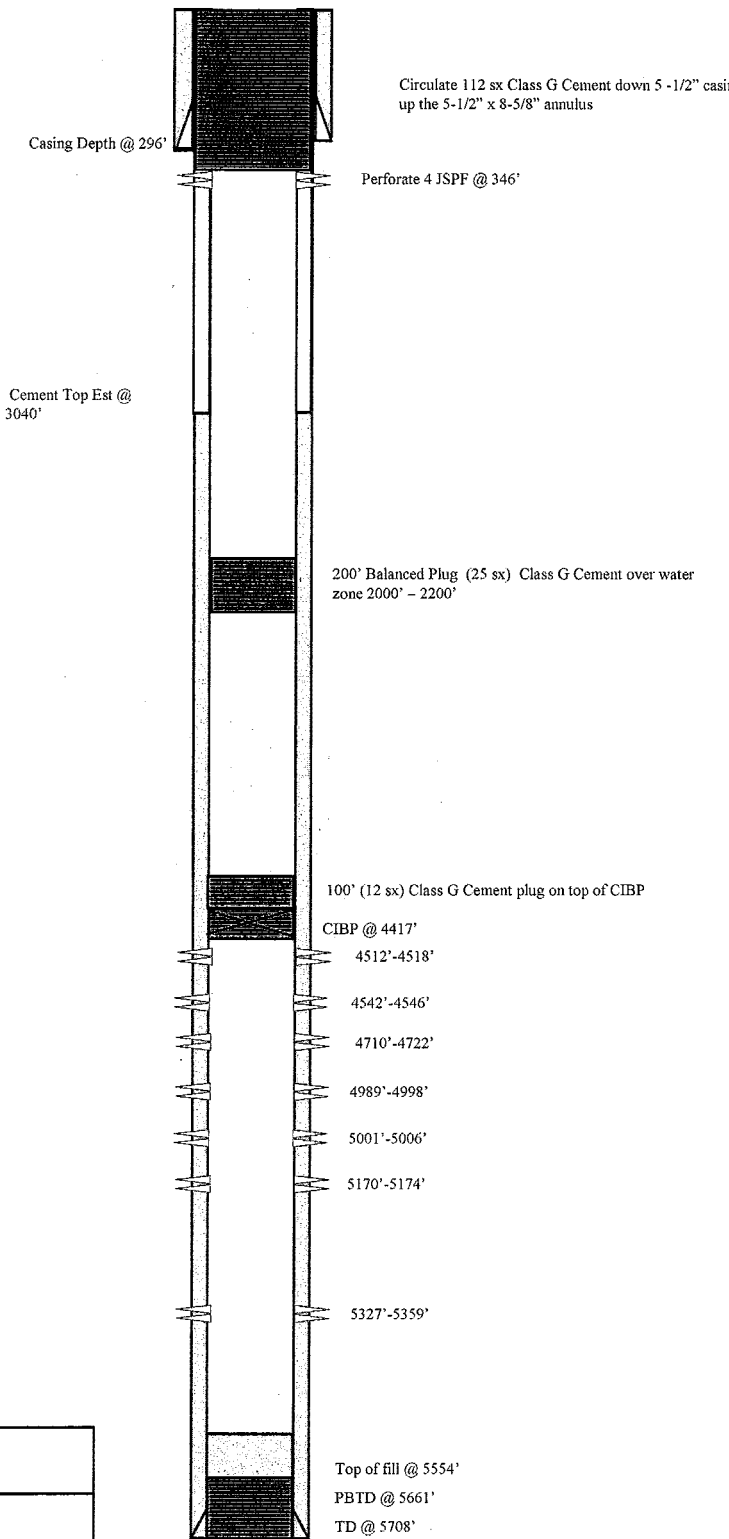
Initial Production: 45 BOPD,
202 MCFD, 3 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts.
DEPTH LANDED: 296' GL
HOLE SIZE:12-1/4"
CEMENT DATA: 210 sxs Class "G" cmt.

## PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
DEPTH LANDED: 5700'
HOLE SIZE: 7-7/8"
CEMENT DATA: 400 sxs Class "G"
EST. CEMENT TOP AT: 3040 per CBL




NEWFIELD

**Monument Butte #12-36**

638' FWL & 2046' FSL
NWSW Section 36-T8S-R16E
Duchesne Co, Utah
API #43-013-30746; Lease #ML-22061

JM 2/12/2008

Attach. E-1

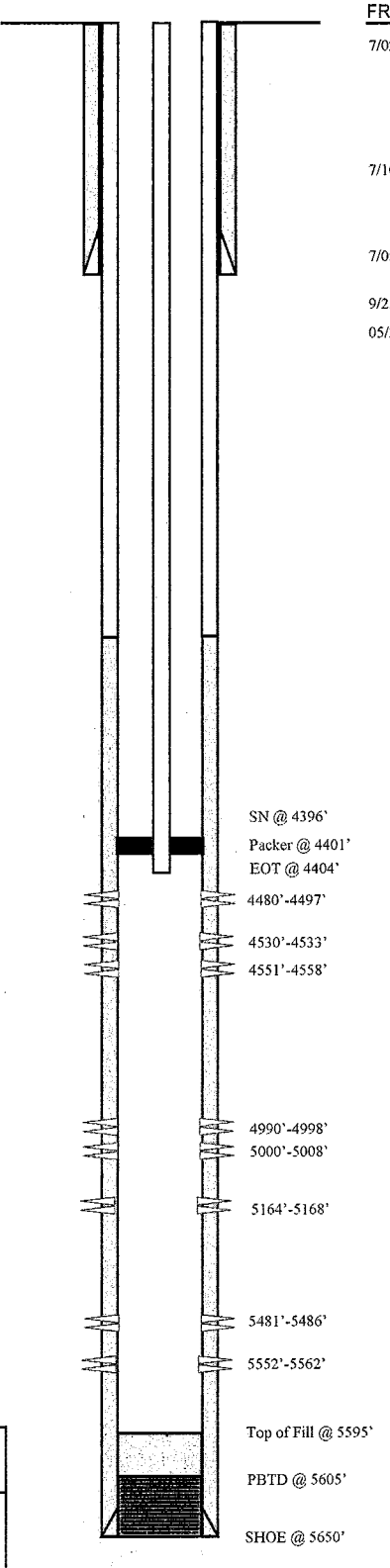
# Monument Butte St. #5-36-8-16

Spud Date: 6/6/82
Put on Production: 7/12/82
Put on Injection: 9/24/87

GL: 5469' KB: 5479'

Initial Production: 92 BOPD, NM MCFD, 2 BWPD

Injection
Wellbore Diagram




## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
DEPTH LANDED: 238'
HOLE SIZE:12-1/4"
CEMENT DATA: 205 sxs Class "G" cmt.

## PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts.
DEPTH LANDED: 5650'
HOLE SIZE: 7-7/8"
CEMENT DATA: 475 sxs 50/50 POZ.
CEMENT TOP AT: 3262' per CBL
LOGS RUN: CBL-VDL-GR, FDC-CNL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 136 jts (4382.84')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4396.00'
TUBING PACKER: 4400.67'
TOTAL STRING LENGTH: EOT @ 4404.19'

No Rod Detail

## FRAC JOB

| | | |
|---|---|---|
| 7/02/82 | 5481'-5562' | **Frac A1 & A3 sand as follows:** 67,000# 20/40 sand in 654 bbls frac fluid. Treated @ avg press of 3100 psi w/avg rate of 30 BPM. ISIP 1940 psi. Calc. flush: 5552 gal, Actual flush: 5470 gal. |
| 7/10/82 | 4991'-5168' | **Frac D1 sand as follows:** 57,000# 20/40 sand in 571 bbls frac fluid. Treated @ avg press of 3000 psi w/avg rate of 30 BPM. ISIP 2400 psi. |
| 7/05/88 | 4990'-5008' | Break w/ 117 bbl water. Treat with 2700 psi @ 3.5 BPM. ISIP 2200 psi. |
| 9/25/03 | | Add perfs. |
| 05/23/07 | | Workover. Tubing detail updated. |

## PERFORATION RECORD

| | | |
|---|---|---|
| 7/01/82 | 5552'-5562' | 08 holes |
| 7/01/82 | 5481'-5486' | 04 holes |
| 7/09/82 | 5164'-5168' | 08 holes |
| 7/09/82 | 5000'-5008' | 08 holes |
| 7/09/82 | 4991'-4995' | 08 holes |
| Reperf: | | |
| 7/05/88 | 5000'-5008' | 24 holes |
| 7/05/88 | 4990'-4998' | 24 holes |
| 9/24/03 | 4551-4558' 4 JSPF | 28 holes |
| 9/24/03 | 4530-4533' 4 JSPF | 12 holes |
| 9/24/03 | 4480-4497' 4 JSPF | 68 holes |

Inland RESOURCES INC. NEWFIELD

**Monument Butte St. #5-36-8-16**

1848' FNL & 723' FWL

SWNW Section 36-T8S-R16E

Duchesne Co, Utah

API #43-013-30624; Lease #ML-22601

TW 07/11/07

Attach. 6-2

# Monument Butte State #6-36-8-16

Spud Date: 4/14/96

P

ut on Production: 5/15/96

GL: 5401' KB: 5414'

Initial Production: 74 BOPD, 107 MCFPD, 8 BWPD

Wellbore Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT:24#

LENGTH: 325'

DEPTH LANDED: 323.27'(GL)

HOLE SIZE:12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 2 bbls to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 144 jts. (6232.53')

DEPTH LANDED: 6225.03'

HOLE SIZE: 7-7/8"

CEMENT DATA: 270 sk Hyfill mixed & 370 sxs thixotropic

CEMENT TOP AT: Surface per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

NO. OF JOINTS: 185 jts

TUBING ANCHOR: 5730' KB

NO. OF JOINTS: 1 jt

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5765' KB

NO. OF JOINTS: 3 jts

TOTAL STRING LENGTH: EOT @ 5859' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

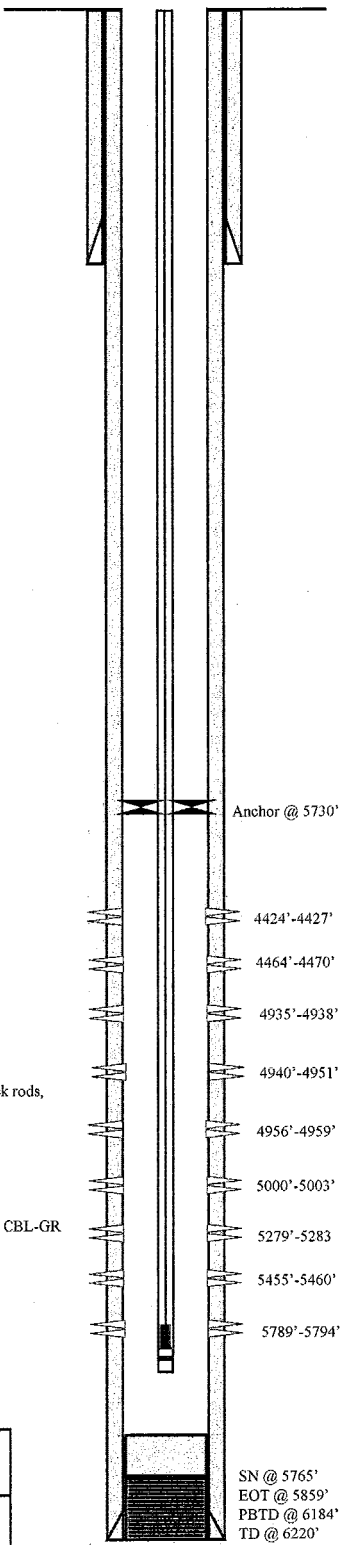
SUCKER RODS: 4- 1 1/2" wt. Bars, 4-3/4" scraper rods, 126-3/4" slick rods, 96-3/4" scraper rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 12' RHAC

STROKE LENGTH: 86"

PUMP SPEED, SPM: 6 SPM

LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR




## FRAC JOB

**4/30/96 5789'-5794'** — **Frac CP Stray sand as follows:** 49,000# of 20/40 sd in 377 bbls Boragel. Treated @ avg rate 15.5, avg press 2000 psi. ISIP-2051 psi. Calc. flush: 5789 gal. Actual flush: 5703 gal.

**5/2/96 5455'-5460'** — **Frac A sand as follows:** 74,000# 20/40 sd in 466 bbls Boragel. Treated @ avg rate 20.5, avg press 1900 psi. ISIP-2053 psi. Calc. flush: 5455 gal. Actual flush: 5371 gal.

**5/4/96 5279'-5283'** — **Frac B sand as follows:** 69,800# 20/40 sd in 429 bbls of Boragel. Avg treating press 2240 psi @ 18.3 bpm. ISIP-2581 psi. Calc. flush: 5279 gal. Actual flush: 5187 gal.

**5/7/96 4935'-5003'** — **Frac D sand as follows:** 30,900# 16/30 sd in 206 bbl Boragel. Treated @ avg rate 20psi, avg press 1800 psi. ISIP-3270 psi. Screened out w/ 7700 # sand in formation.

**5/09/96 4935'-5003'** — **Re-Frac D sands as follows:** 70,600# of 20/40 sd in 438 bbls Boragel. Treated @ avg rate 22 bpm, avg press 1790 psi. ISIP-2325 psi. Calc. flush: 4935 gal. Actual flush: 4850 gal.

**5/11/96 4424'-4470'** — **Frac GB sands as follows:** 73,300# of 20/40 sd in 445 bbls Boragel. Treated @ avg rate 23 bpm, avg press 2700 psi. ISIP-3209 psi. Calc. flush: 4424 gal. Actual flush: 4338 gal.

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 4/29/96 | 5789'-5794' | 4 JSPF | 20 holes |
| 5/1/96 | 5455'-5460' | 4 JSPF | 20 holes |
| 5/3/96 | 5279'-5283' | 4 JSPF | 16 holes |
| 5/6/96 | 4935'-4938' | 4 JSPF | 12 holes |
| 5/6/96 | 4940'-4951' | 4 JSPF | 40 holes |
| 5/6/96 | 4956'-4959' | 4 JSPF | 12 holes |
| 5/6/96 | 5000'-5003' | 4 JSPF | 12 holes |
| 5/11/96 | 4424'-4427' | 4 JSPF | 12 holes |
| 5/11/96 | 4464'-4470' | 4 JSPF | 24 holes |

Inland Resources Inc.

**Monument Butte State #6-36-8-16**

1940 FNL & 2088 FWL

SENW Section 36-T8S-R16E

Duchesne Co, Utah

API #43-013-31571; Lease #U-22061

BDH 10/01/02

Attach. E-3

# Monument Butte N-36-8-16

Spud Date: 2-7-07
Put on Production: 3-29-07

GL: 5506' KB: 5518'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (307.6')
DEPTH LANDED: 319.45' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 1 bbls cmt to surf.

Cement top @ 52'

## PRODUCTION CASING

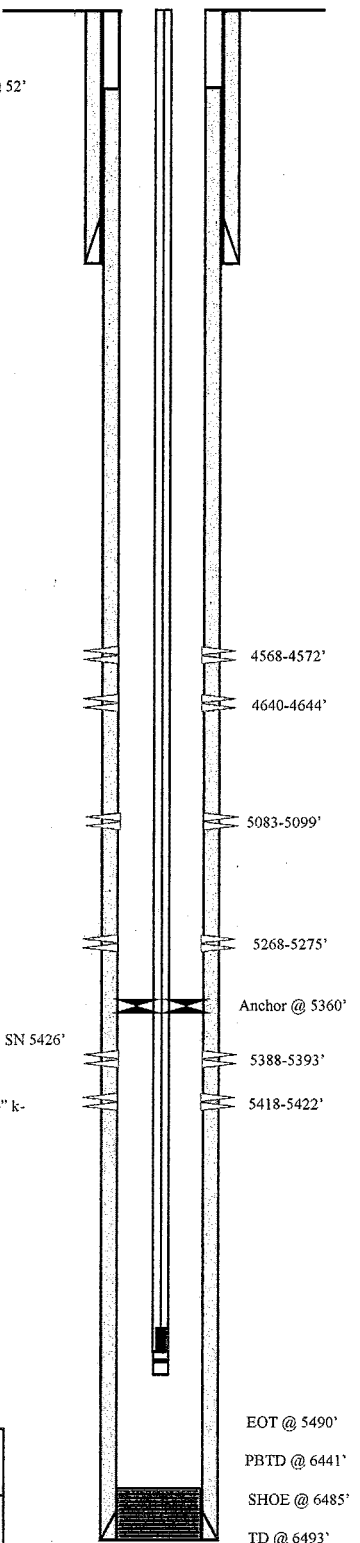
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 147 jts. (6472.92')
DEPTH LANDED: 6486.17' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 52'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 170 jts (5347.77')
TUBING ANCHOR: 5359.77' KB
NO. OF JOINTS: 2 jts (63.16')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5425.73' KB
NO. OF JOINTS: 2 jts (63.12')
TOTAL STRING LENGTH: EOT @ 5490.40' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM
SUCKER RODS: 6', 2' x 7/8" pony rods, 212- 7/8" guided rods, 4- 1 ½" k-bars, .
PUMP SIZE: 2-1/2" x 1-1/2" x 20' RHAC w/SM plunger
STROKE LENGTH: 122"
PUMP SPEED, SPM: 6 SPM




## FRAC JOB

03 20-07 5388-5422' **Frac B2, B1 sands as follows:** 29667# 20/40 sand in 367 bbls Lightning 17 frac fluid. Treated @ avg press of 2186 psi w/avg rate of 25 BPM. ISIP 2375 psi. Calc flush: 5386 gal. Actual flush: 4914 gal.

03-21-07 5268-5275' **Frac C sands as follows:** 45144# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 2941 psi w/avg rate of 24.5 BPM. ISIP 3375 psi. Calc flush: 5266 gal. Actual flush: 4763 gal.

03-21-07 5083-5099' **Frac D1 sands as follows:** 140185# 20/40 sand in 950 bbls Lightning 17 frac fluid. Treated @ avg press of 1944 psi w/avg rate of 25 BPM. ISIP 2350 psi. Calc flush: 5081 gal. Actual flush: 4578 gal.

03-21-07 4568-4644' **Frac GB6, GB4 sands as follows:** 26284# 20/40 sand in 324 bbls Lightning 17 frac fluid. Treated @ avg press of 2488 w/ avg rate of 25 BPM. ISIP 2500 psi. Calc flush: 4566 gal. Actual flush: 4452 gal.

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 03-14-07 | 5418-5422' | 4 JSPF | 16 holes |
| 03-14-07 | 5388-5393' | 4 JSPF | 20 holes |
| 03-20-07 | 5268-5275' | 4 JSPF | 28 holes |
| 03-21-07 | 5083-5099' | 4 JSPF | 64 holes |
| 03-21-07 | 4640-4644' | 4 JSPF | 16 holes |
| 03-21-07 | 4568-4572' | 4 JSPF | 16 holes |

NEWFIELD

**Monument Butte N-36-8-16**

2064' FSL & 639' FWL

NW/SW Section 36-T8S-R16E

Duchesne Co, Utah

API # 43-013-33223; Lease # ML-22061

TK5-9-07

Attach. E-4

# Monument Butte State #1-36

Spud Date: 10/17/81
Put on Production: 11/25/81
Put on Injection: 5/01/90
GL: 5479' KB: 5495'

Initial Production: 112 BOPD,
Gas Not Measured, 0 BWPD

## SURFACE CASING

CSG SIZE: 8 5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 292'
HOLE SIZE:12 1/4"
CEMENT DATA: 230 sxs Class "G" cmt, cmt to surface.

## PRODUCTION CASING

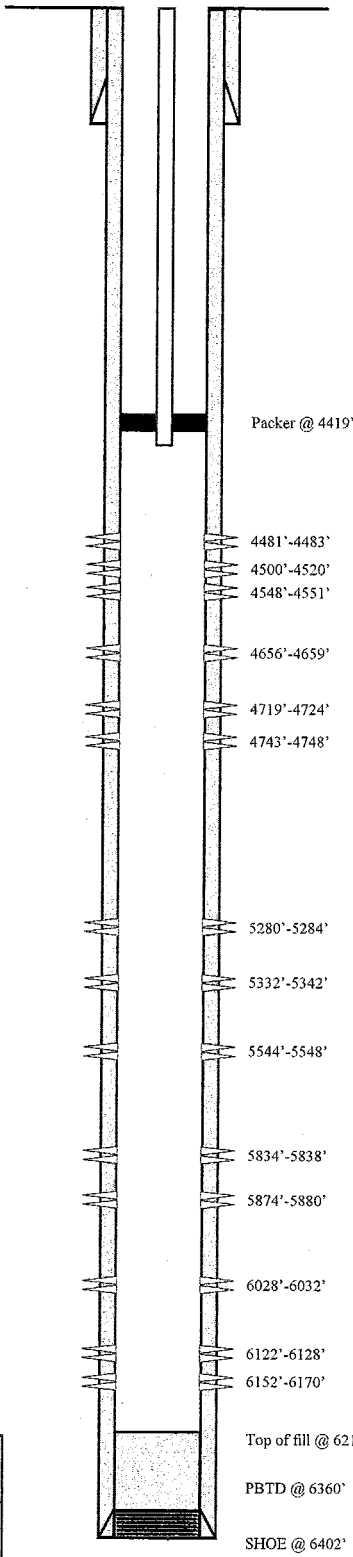
CSG SIZE: 5 1/2"
GRADE:
WEIGHT:15.5#
LENGTH: 6402'
HOLE SIZE: 7 7/8"
CEMENT DATA: 530 sxs 50/50 POZ.
CEMENT TOP AT: ? per CBL

## TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#
NO. OF JOINTS: 141 jts (4399.02')
SEATING NIPPLE: 2 7/8" (1.10')
SN LANDED AT: 4415.02' KB
TUBING PACKER: 4419.22'
TOTAL STRING LENGTH: EOT @ 4423.33'

Injection

Wellbore Diagram




## FRAC JOB

| | | |
|---|---|---|
| 11/16/81 | 5280'-5342' | **Frac as follows:** 25,000# 20/40 sand + 8250# 10/20 sand in 476 bbls. of gelled diesel.Avg. treating pressure 4000 psi @ 20 BPM. ISIP- 2200 psi. Calc. Flush: 5280 gal. Actual flush: 1428 gal. |
| 11/21/81 | 4481'-4748' | **Frac as follows:** 60,000# 20/40 sand in 821 bbls. gelled diesel. Avg. treating press. 2300 psi @ 30 BPM. ISIP 1850 psi. Calc. Flush: 4481 gal. Actual flush: 4368 gal. |
| 9/12/01 | 5332'-5342' | **Acidize B-2 sands as follows:** Spot 4 bbl. Acid and pump 10 BW @ 2700 psi, broke back to 2500 psi @ 2 BPM, ISIP 2100 psi. |
| 9/12/01 | 4500'-4520' | **Acidize GB-6 sands as follows:** Spot 4 bbl. Acid and pump 10 BW @ 2500 psi, broke back to 2200 psi @ 2.6 BPM, ISIP 2000 psi. |
| 4/19/90 | | Convert to injector. |
| 9/17/01 | | Recompletion and MIT. |
| 9/03/03 | 4548'-4551' | **Acidize GB6 sands as follows:** Spot 2 drums acid and pump 10 BW behind of .75 BPM @ 2500 psi. |
| 9/03/03 | 5544'-5548' | **Acidize A3 sands as follows:** Spot 2 drums acid and pump 10 BW behind of 1.2 BPM @ 2000 psi. |
| 9/03/03 | 5834'-5838' | **Acidize CP.5 sands as follows:** Spot 2 drums acid and pump 10 BW behind 1.3 BPM @ 1600 psi. |
| 9/03/03 | 5874'-5880' | **Acidize CP.5 sands as follows:** Spot 2 drums acid and pump 10 BW behind 1.4 BPM @ 1200 psi. |
| 9/03/03 | 6028'-6032' | **Acidize CP4 sands as follows:** Spot 2 drums acid and pump 10 BW behind 1.3 BPM @ 1500 psi. |
| 9/03/03 | 6122'-6128' | **Acidize CP5 sands as follows:** Spot 2 drums acid and pump 10 BW behind 1.4 BPM @ 1400 psi. |
| 9/03/03 | 6152'-6170' | **Acidize BS sands as follows:** Spot 2 drums acid and pump 10 BW behind 1.4 BPM @ 1200 psi. |
| 9/5/03 | | Recompletion |

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 11/14/81 | 5280'-5284' | 1 SPF | 04 holes |
| 11/14/81 | 5332'-5342' | 1 SPF | 10 holes |
| 11/20/81 | 4743'-4748' | 1 SPF | 05 holes |
| 11/20/81 | 4719'-4724' | 1 SPF | 05 holes |
| 11/20/81 | 4656'-4659' | 1 SPF | 03 holes |
| 11/20/81 | 4509'-4517' | 1 SPF | 08 holes |
| 11/20/81 | 4503'-4507' | 1 SPF | 04 holes |
| 11/20/81 | 4481'-4483' | 1 SPF | 02 holes |
| 9/12/01 | 4500'-4520' | 4 JSPF | 80 holes |
| 9/12/01 | 5332'-5342' | 4 JSPF | 40 holes |
| 9/03/03 | 6152'-6170' | 4 JSPF | 72 holes |
| 9/03/03 | 6122'-6128' | 4 JSPF | 24 holes |
| 9/03/03 | 6028'-6032' | 4 JSPF | 16 holes |
| 9/03/03 | 5874'-5880' | 4 JSPF | 24 holes |
| 9/03/03 | 5834'-5838' | 4 JSPF | 16 holes |
| 9/03/03 | 5544'-5548' | 4 JSPF | 16 holes |
| 9/03/03 | 4548'-4551' | 4 JSPF | 12 holes |

Inland Resources Inc.

**Monument Butte State #1-36**

2135' FSL & 1834' FWL

NESW Section 36-T8S-R16E

Duchesne Co, Utah

API #43-013-30592; Lease #ML-22061

MR 9/9/03

A Hum. E-5

# Monument Butte State 10-36-8-16

Spud Date: 9/18/95

Put on Production: 11/7/95

GL: 5399' KB:'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (310.95')

DEPTH LANDED: 306.35' KB

HOLE SIZE:12-1/4"

CEMENT DATA: 120sxs Class "G" cmt, est 3 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 141 jts. (6205.02')

DEPTH LANDED: 6200.22' KB

HOLE SIZE: 7-7/8"

CEMENT DATA:255 sxs Hifill & 325 sxs Thixotropic w/10% Cal-seal

CEMENT TOP AT: 460'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5974.48 KB

NO. OF JOINTS: 190 jts (5973.40')

TUBING ANCHOR: 6007.85' KB

NO. OF JOINTS: 3 jts (93.02')

TOTAL STRING LENGTH: EOT @ 6101.31'

## SUCKER RODS

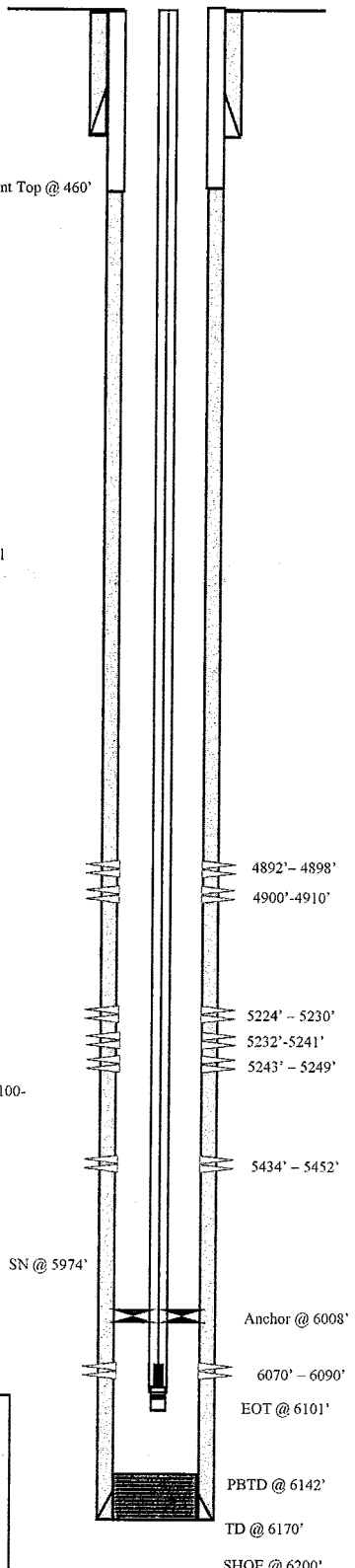
POLISHED ROD: 1-1/2" x 22'

SUCKER RODS: 6-1 ½" wt bars. 40-3/4" guided rods, 92-3/4" plain rods, 100-3/4" guided rods, 2-6' 1-2'x 3/4" pony rods,

PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 15.5' RHAC

STROKE LENGTH: 86"

PUMP SPEED, SPM: 5 SPM




## FRAC JOB

| | |
|---|---|
| 10-19-95 | **Frac CP-4 zone as follows:** Pad 5000 gals borage1 4000 gal 2 ppg 20/40 sd 10,000 gal 4 ppg 20/40 sd. Pumped 8# 20/40 sd in 4701 gal gel Flush 6052 gal Total fluid pumped 29,753 gal Total sd 96,400# 20/40 Max TP 3300 @ 35 BPM Avg TP 1900 @ 31 BPM ISIP 1893, after 5 min 1756 |
| 10-21-95 | **Frac A-3 zone as follows:** Pad 4500 gal gel 63,595 4000 gal 2 ppg 20/40 sd 9000 gal 4 ppg 20/40 sd 3961 gal 8 ppg 20/40 sd Flush w/ 5353 gal 10# linear gel Total fluid 26,814 gal Total sd 82,800# 20/40 Max TP 3287 @ 36.8 BPM Avg TP 2033 @ 33 BPM ISIP 1868, after 5 min 1855 |
| 10-24-95 | **Frac B-2 zone as follows:** Pad 5000 gal gel 4000 gal 4 ppg 16/30 sd 10,000 gal 8 ppg 16/30 sd Pumped 8# 16/30 sd in 3633 gal gel Total fluid 27,774 gal Total sd 96,800# 16/30 Max TP 3171 @ 40 BPM Avg TP 2400 @ 31 BPM ISIP 3148, after 5 min 2681 |
| 10-26-95 | **Frac D zone as follows:** Pad 4800 gal gel 63,519 4000 gal 2 ppg 16/30 sd 8000 gal 4 ppg 16/30 sd 5335 gal 6 ppg 16/30 sd Flush w/ 4798 gal 10# linear gel Total fluid used 26,633 gal Total sd 77,800# 16/30 sd ISIP 2319, after 5 min 2152. |
| 5/19/04 | Tubing Leak. Update rod and tubing detail. |
| 3-8-05 | Parted Rods Update rod and tubing detail. |
| 02/20/07 | Parted Rods. Update rod and tubing details. |

## PERFORATION RECORD

| | |
|---|---|
| 10/18/95 | 6070'-6090' |
| 10/20/95 | 5434'-5452' |
| 10/22/95 | 5243'-5249' |
| 10/22/95 | 5232'-5241' |
| 10/22/95 | 5224'-5230' |
| 10/25/95 | 4900'-4910' |
| 10/22/95 | 4982'-4898' |

NEWFIELD

**Monument Butte State #10-36-8-16**
2048 FSL 2219 FEL
NW/SE Section 36-T8S-R16E
Duchesne Co, Utah
API #43-013-31551; Lease #ML-22061

CB 03/01/07

Attach. E-6

# Monument Butte State #13-36

SPUD DATE: 12/19/82
Put on Production: 1/28/83
Put on Injection: 2/22/00
GL: 5396' KB: 5408'

IP: 71 BOPD; 0 MCFD; 0 BWD

## SURFACE CASING:

CSG SIZE: 8 5/8"
WEIGHT: 23#
DEPTH LANDED: 281'
HOLE SIZE: 12 1/2"
CEMENT DATA:210 sx Class "G" plus 2% CaCl and 1/4#/sx flakes to sfc.

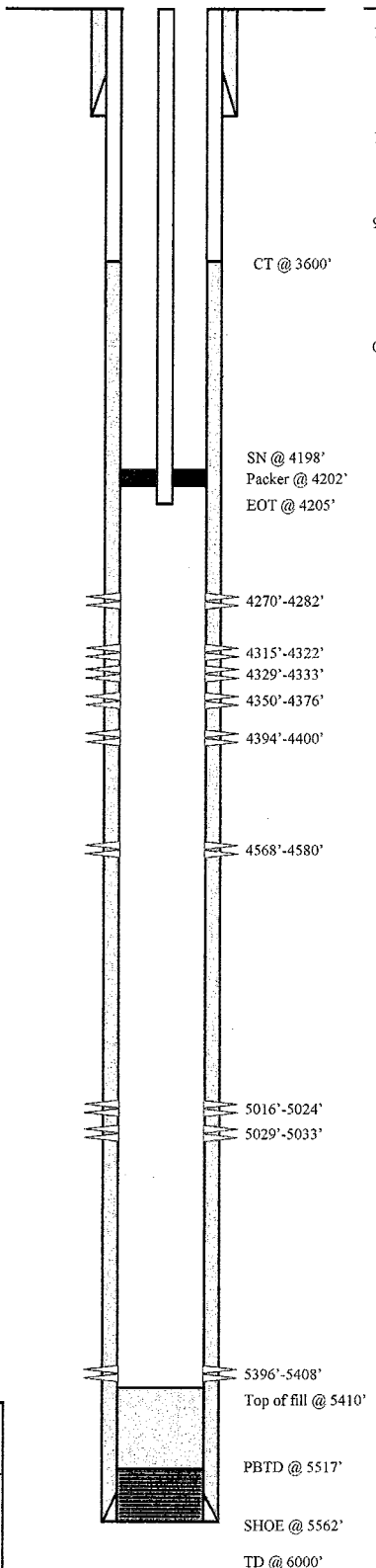
## PRODUCTION CASING

SIZE: 5 1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 127 jts 5562'
HOLE SIZE: 7 7/8"
CEMENT DATA: 280 sx Gypseal cement
CEMENT TOP @ 3600'

## TUBING:

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#
NO. OF JOINTS: 129 jts (4184.59')
SEATING NIPPLE: 2 7/8" (1.10')
SN LANDED AT: 4197.69' KB
PACKER: 4202' KB
EOT @ 4205.00' KB

Injection
Wellbore Diagram




## FRAC JOBS

| | | |
|---|---|---|
| 1/08/83 | 5396'-5408' | **Frac LODC sands as follows:** 62,000# 20/40 sand in 488 bbls frac fluid. Treated @ avg press of 2950 psi w/avg rate of 29 BPM. ISIP 2140 psi. Calc. flush: 5396 gal. Actual flush: 5334 gal. |
| 1/13/83 | 5396'-5408' | **FracC sands as follows:** 18,040# 20/40 sand in 365 bbls frac fluid. Treated @ avg press of 2300 psi w/avg rate of 40 BPM. ISIP 4500 psi. Screened out. |
| 9/08/84 | 4350'-4376' | **Frac GB6 sands as follows:** 107,000# 20/40 sand + 24,000# 10/20 sand in 881 bbls gelled 5% KCl. Treated @ avg press of 1800 psi w/avg rate of 22 BPM. ISIP 2080 psi. Calc. flush: 4350 gal. Actual flush: 4500 gal. |
| 09/29/03 | | Add new perforations to Inj. Well. |

## PERFORATION RECORD:

| | | | |
|---|---|---|---|
| 1-08-83 | 5396'-5408' | 1 SPF | 13 holes |
| 1-13-83 | 5016'-5024' | 1 SPF | 8 holes |
| 1-13-83 | 5029'-5033' | 1 SPF | 4 holes |
| 9-07-84 | 4350'-4376' | 1 SPF | 27 holes |
| 09/26/03 | 4568'-4580' | 4 JSPF | 48 holes |
| 09/26/03 | 4394'-4400' | 4 JSPF | 24 holes |
| 09/26/03 | 4329'-4333' | 4 JSPF | 16 holes |
| 09/26/03 | 4315'-4322' | 4 JSPF | 28 holes |
| 09/26/03 | 4270'-4282' | 4 JSPF | 48 holes |

Inland Resources Inc.

**Monument Butte State #13-36**

818 FWL & 697 FSL

SWSW Section 36-T8S-R16E

Duchesne Co, Utah

API #43-013-30623; Lease #U-22061

MR 10/23/03

A Ham. E-7

# Monument Butte St. #14-36

Spud Date: 6/01/1995
Put on Production: 6/29/1995
GL: 5367' KB: 5380'

Wellbore Diagram

Initial Production: 162 BOPD, 165 MCFD, 6 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (300.55')
DEPTH LANDED: 298.01'
HOLE SIZE: 12-1/4"
CEMENT DATA: 140 sxs Class "G" cmt.

## PRODUCTION CASING

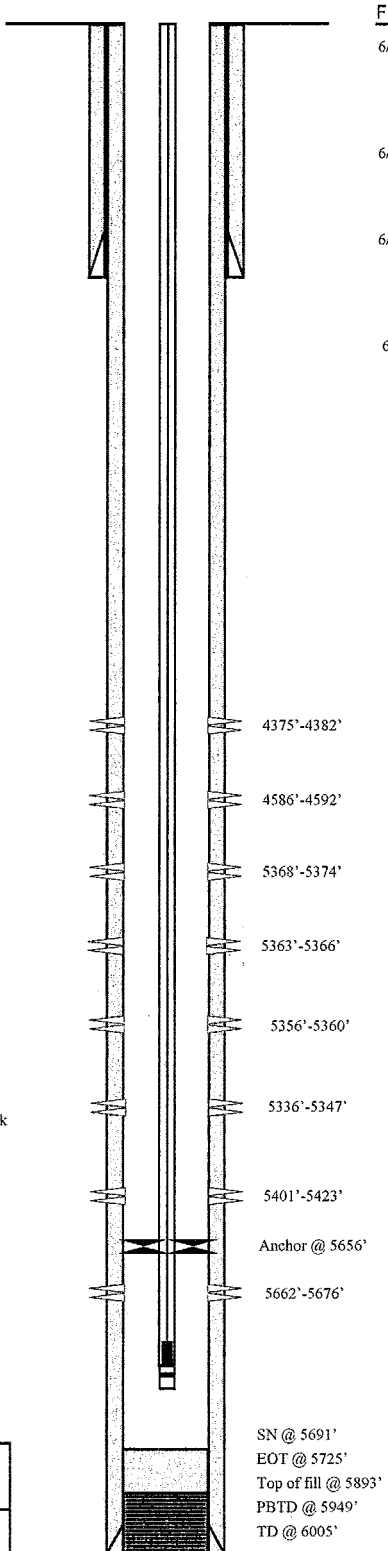
CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
DEPTH LANDED: 6006.98'
HOLE SIZE: 7-7/8"
CEMENT DATA: 367 sxs Hifill & 423 sxs Thixotropic.
CEMENT TOP AT: 345' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 172 jts (5643.23')
TUBING ANCHOR: 5656.23' KB
NO. OF JOINTS: 1 jt (32.20')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5691.23' KB
NO. OF JOINTS: 1 jt (32.29')
TOTAL STRING LENGTH: EOT @ 5725.07' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraper rods; 118-3/4" slick rods, 92-3/4" scraper rods, 1-4' x 3/4" pony rod.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 102"
PUMP SPEED, SPM: 4 SPM
LOGS: DIGL/SP/GR/CAL




## FRAC JOB

| | | |
|---|---|---|
| 6/23/95 | 5662'-5676' | **Frac CP-1 sand as follows:** 51,200# 20/40 sand in 600 bbls frac fluid. Treated @ avg press of 2100 psi w/avg rate of 34 BPM. ISIP 1923 psi. Calc. flush: 5662 gal. Actual flush: 5602 gal. |
| 6/28/95 | 5336'-5423' | **Frac LODC & A sands as follows:** 225,000# 20/40 sand in 2406 bbls frac fluid. Calc. flush: 5336 gal. Actual flush: 5791 gal. |
| 6/26/02 | 4586'-4592' | **Frac PB11 sands as follows:** 20,138# 20/40 sand in 238 bbls Viking I-25 frac fluid. Treated @ avg press of 3330 psi w/avg rate of 25.8BPM. ISIP 2460 psi. Calc. flush: 4586 gal. Actual flush: 4515 gal. |
| 6/26/02 | 4375'-4382' | **Frac GB6 sands as follows:** 40,745# 20/40 sand in 274 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25.2 BPM. Screened out w/ 21,727# sand in formation, 19,018# sand in casing. Calc. flush: 4375 gal. Actual flush: 546 gal. |

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 6/22/95 | 5662'-5676' | 4 JSPF | 24 holes |
| 6/24/95 | 5401'-5423' | 4 JSPF | 88 holes |
| 6/24/95 | 5336'-5347' | 4 JSPF | 44 holes |
| 6/24/95 | 5356'-5360' | 4 JSPF | 16 holes |
| 6/24/95 | 5363'-5366' | 4 JSPF | 12 holes |
| 6/24/95 | 5368'-5374' | 4 JSPF | 24 holes |
| 6/26/02 | 4586'-4592' | 4 JSPF | 24 holes |
| 6/26/02 | 4375'-4382' | 4 JSPF | 28 holes |

Inland Resources Inc.

**Monument Butte St. #14-36**

739' FSL & 2320' FWL

SESW Section 27-T8S-R17E

Duchesne Co, Utah

API #43-013-31508; Lease #ML-22061

BDH 7/01/02

Attach. E-8

# Monument Butte Fed. #8-35

Spud Date: 6/19/1991
Put on Production: 7/26/1991
GL: 5483' KB: 5498'

Wellbore Diagram

Initial Production: 114 BOPD, 126 MCFD, 12 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
DEPTH LANDED: 295'
HOLE SIZE:12-1/4"
CEMENT DATA: 216 sxs Class "G" cmt.

## PRODUCTION CASING

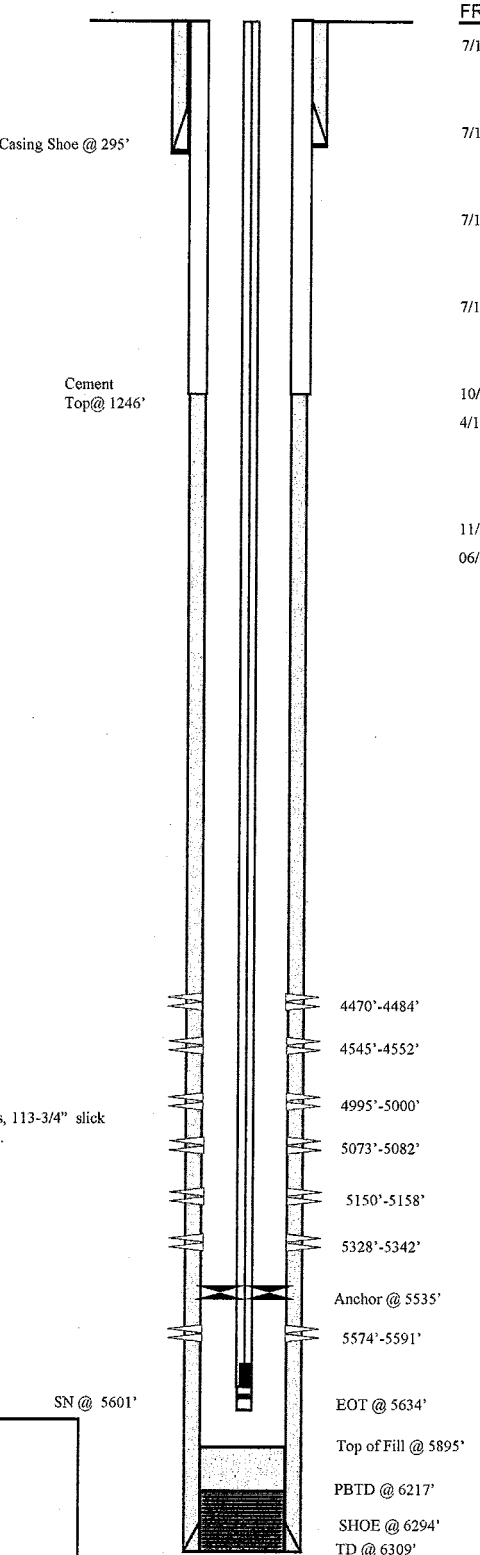
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 16.5#
DEPTH LANDED: 6294.49'
HOLE SIZE: 7-7/8"
CEMENT DATA: 616 sxs Hilift & 529 sxs Class "G".
CEMENT TOP AT: 1246' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 177 jts (5518.49')
TUBING ANCHOR: 5534.99' KB
NO. OF JOINTS: 2 jts (63.00')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5600.79' KB
NO. OF JOINTS: 1 jts (31.50')
TOTAL STRING LENGTH: EOT @ 5633.84' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scrapered rods, 113-3/4" slick rods; 93-3/4" scrapered rods, 1-8', 1-6', 1-4' x 3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 54"
PUMP SPEED, SPM: 7 SPM
LOGS: DIGL/SP/GR/CAL




## FRAC JOB

| | | |
|---|---|---|
| 7/11/91 | 5574'-5591' | **Frac LODC sand as follows:** 21,000# 20/40 sand + 100,000# 16/30 sand i 925 bbls fluid. Treated @ avg press of 2800 psi w/avg rate of 30 BPM. ISIP 2460 psi. |
| 7/13/91 | 5328'-5342' | **Frac B-2 sand as follows:** 22,200# 20/40 sand + 11,400# 16/30 sand in 121 bbls fluid. Treated @ avg press of 2950 psi w/avg rate of 40 BPM. ISIP 2430 psi. |
| 7/16/91 | 5073'-5158' | **Frac C & D sand as follows:** 17,000# 20/40 sand + 87,000# 16/30 sand in 902 bbls fluid. Treated @ avg press of 2280 psi w/avg rate of 36 BPM. ISIP 1950 psi. |
| 7/17/91 | 4995'-5000' | **Frac D-1 sand as follows:** 22,826# 16/30 sand in 238 bbls fluid. Treate @ avg press of 2680 psi w/avg rate of 20 BPM. ISIP 2180 psi. |
| 10/29/99 | | Pump change. Update rod and tubing details. |
| 4/19/02 | 4470'-4452' | **Frac GB4, GB6 sands as follows:** 61,560# 20/40 sand in 456 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 28.6 BPM. ISIP 2400 psi. Calc flush: 4470 gal. Actual flush: 4284 gal. |
| 11/25/02 | | Parted Rods. Update rod detail |
| 06/09/03 | | Parted Rods. Update rod detail |

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 7/10/91 | 5574'-5591' | 4 JSPF | 68 holes |
| 7/12/91 | 5328'-5342' | 4 JSPF | 56 holes |
| 7/15/91 | 5150'-5158' | 4 JSPF | 32 holes |
| 7/15/91 | 5073'-5082' | 4 JSPF | 18 holes |
| 7/17/91 | 4995'-5000' | 4 JSPF | 20 holes |
| 4/19/02 | 4545'-4552' | 4 JSPF | 28 holes |
| 4/19/02 | 4470'-4484' | 4 JSPF | 56 holes |

NEWFIELD

**Monument Butte Fed. #8-35-8-16**
1897' FNL & 673' FEL
SENE Section 35-T8S-R16E
Duchesne Co, Utah
API #43-013-31263; Lease #U-16535

Attach. E-9

# Monument Butte Federal K-35-8-16

Spud Date: 11-10-06
Put on Production: 2-1-07

GL: 5484' KB: 5496'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (311.65')
DEPTH LANDED: 323.5' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

Cement top @ 340'

## PRODUCTION CASING

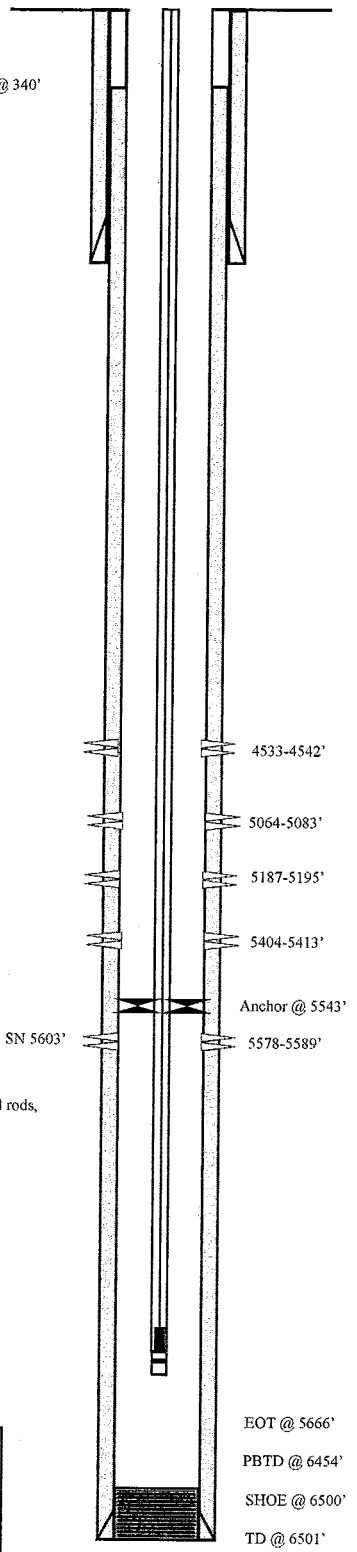
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts. (6486.79')
DEPTH LANDED: 6500.04' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 340'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 184 jts (5530.82')
TUBING ANCHOR: 5542.82' KB
NO. OF JOINTS: 2 jts (57.52')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5603.24' KB
NO. OF JOINTS: 2 jts (61.02')
TOTAL STRING LENGTH: EOT @ 5665.81' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM
SUCKER RODS: 1-8', 1-6', 2-4' X 7/8" pony rods, 219- 7/8" scrapered rods, 4-1 ½ weight rods.
PUMP SIZE: 2-1/2" x 1-3/4" x 20' RHAC w/SM plunger
STROKE LENGTH: 123"
PUMP SPEED, SPM: 5 SPM




## FRAC JOB

01-17-07 5578-5589' **Frac A3 sands as follows:** 90492# 20/40 sand in 691 bbls Lightning 17 frac fluid. Treated @ avg press of 2069 psi w/avg rate of 23.9 BPM. ISIP 2260 psi. Calc flush: 5576 gal. Actual flush: 5069 gal.

01-18-07 5404-5413' **Frac B2 sands as follows:** 25452# 20/40 sand in 347 bbls Lightning 17 frac fluid. Treated @ avg press of 2011 psi w/avg rate of 23.9 BPM. ISIP 2250 psi. Calc flush: 5402 gal. Actual flush: 4910 gal.

01-18-07 5187-5195' **Frac D3 sands as follows:** 25258# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 2048 psi w/avg rate of 24.5 BPM. ISIP 2000 psi. Calc flush: 5485 gal. Actual flush: 4729 gal.

01-18-07 5064-5083' **Frac D1 sands as follows:** 100346# 20/40 sand in 717 bbls Lightning 17 frac fluid. Treated @ avg press of 2268 w/ avg rate of 24.5 BPM. ISIP 2250 psi. Calc flush: 5062 gal. Actual flush: 4532 gal.

01-18-07 4533-4542' **Frac GB4 sands as follows:** 22213# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2044 w/ avg rate of 24.6 BPM. ISIP 1960 psi. Calc flush: 4531 gal. Actual flush: 4452 gal.

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 01-08-07 | 5578-5589' | 4 JSPF | 44 holes |
| 01-17-07 | 5404-5413' | 4 JSPF | 36 holes |
| 01-18-07 | 5187-5195' | 4 JSPF | 32 holes |
| 01-18-07 | 5064-5083' | 4 JSPF | 76 holes |
| 01-18-07 | 4533-4542' | 4 JSPF | 36 holes |

NEWFIELD

**Monument Butte Federal K-35-8-16**

885' FNL & 671' FEL

SE/NE Section 35-T8S-R16E

Duchesne Co, Utah

API # 43-013-33253; Lease # UTU-16535

TK 2-27-2007

A Hud. E-10

# Monument Butte L-35-8-16

Spud Date: 11/07/06
Put on Production: 01/11/07

GL: 5527' KB: 5539'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (311.68')
DEPTH LANDED: 323.53' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

Cement Top @ 25'

## PRODUCTION CASING

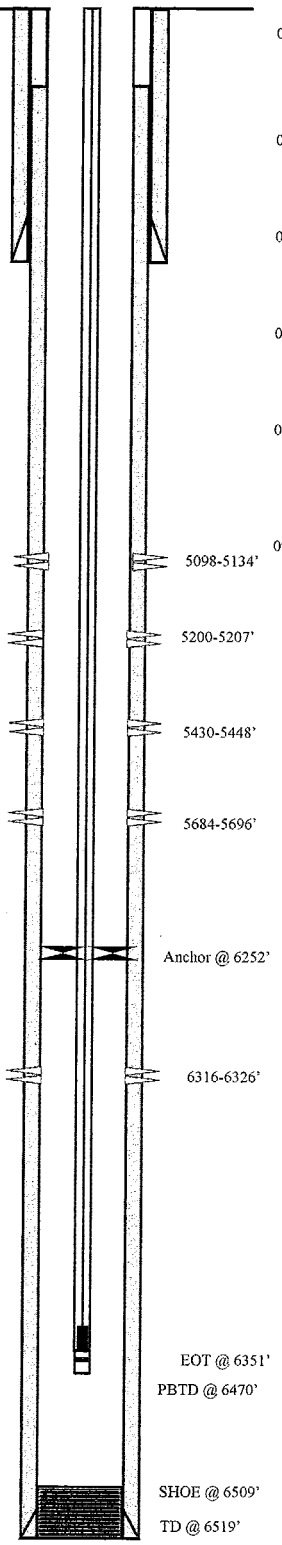
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts. (6496.11')
DEPTH LANDED: 6509.36' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 198 jts (6240.00')
TUBING ANCHOR: 6252.00' KB
NO. OF JOINTS: 1 jts (31.45')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6286.25' KB
NO. OF JOINTS: 2 jts (62.96')
TOTAL STRING LENGTH: EOT @ 6350.76' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM
SUCKER RODS:1-6' & 1-4' x 7/8" pony rod, 246-7/8" scrapered rods, 4-1 ½" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 20' RHAC
STROKE LENGTH: 123"
PUMP SPEED, 4 SPM:




## FRAC JOB

01/03/07 6316-6326'' **Frac CP5 sands as follows:** 14928# 20/40 sand in 315 bbls Lightning 17 frac fluid. Treated @ avg press of 2106 psi w/avg rate of 25.5 BPM. ISIP 1880 psi. Calc flush: 6314 gal. Actual flush: 5754 gal.

01/03/07 5684-5696' **Frac LODC sands as follows:** 19064# 20/40 sand in 327 bbls Lightning 17 frac fluid. Treated @ avg press of 2208 psi w/avg rate of 25.3 BPM. ISIP 2100 psi. Calc flush: 5682 gal. Actual flush: 5174 gal.

01/03/07 5430-5448' **Frac B2 sands as follows:** 79170# 20/40 sand in 611 bbls Lightning 17 frac fluid. Treated @ avg press of 1953 psi w/avg rate of 25.5 BPM. ISIP 2200 psi. Calc flush: 5428 gal. Actual flush: 4922 gal.

01/04/07 5200-5207' **Frac D3 sands as follows:** 14836# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 2892 psi w/avg rate of 25.3 BPM. ISIP 2525 psi. Calc flush: 5198 gal. Actual flush: 4746 gal.

01/04/07 5098-5134' **Frac D1 sands as follows:** 158833# 20/40 sand in 1082 bbls Lightning17 frac fluid. Treated @ avg press of 2380 psi w/avg rate of 25.2 BPM. ISIP 2625 psi. Calc flush: 5096 gal. Actual flush: 5002 gal.

09/07/07 **Workover.** Rod & Tubing detail updated.

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 12/29/06 | 6316-6326' | 4 JSPF | 40 holes |
| 01/03/07 | 5684-5696' | 4 JSPF | 48 holes |
| 01/03/07 | 5430-5448' | 4 JSPF | 72 holes |
| 01/03/07 | 5200-5207' | 4 JSPF | 28 holes |
| 01/04/07 | 5098-5134' | 4 JSPF | 136 holes |

NEWFIELD

**Monument Butte L-35-8-16**

1828'FSL & 2125' FEL

NW/SE Section 35-T8S-R16E

Duchesne Co, Utah

API #43-013-33254; Lease #UTU-16535

TW 10/03/07

NHam. E-11

# Monument Butte Federal #2-35

Spud Date: 11/6/81
Put on Production: 1/15/82
Put on Injection: 9/2/88

GL: 5515' KB: 5532'

Initial Production: 18 BOPD,
171 MCFPD, 0 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
DEPTH LANDED: 282' GL
HOLE SIZE:12-1/4"
CEMENT DATA: 115 sxs Class "G" cmt

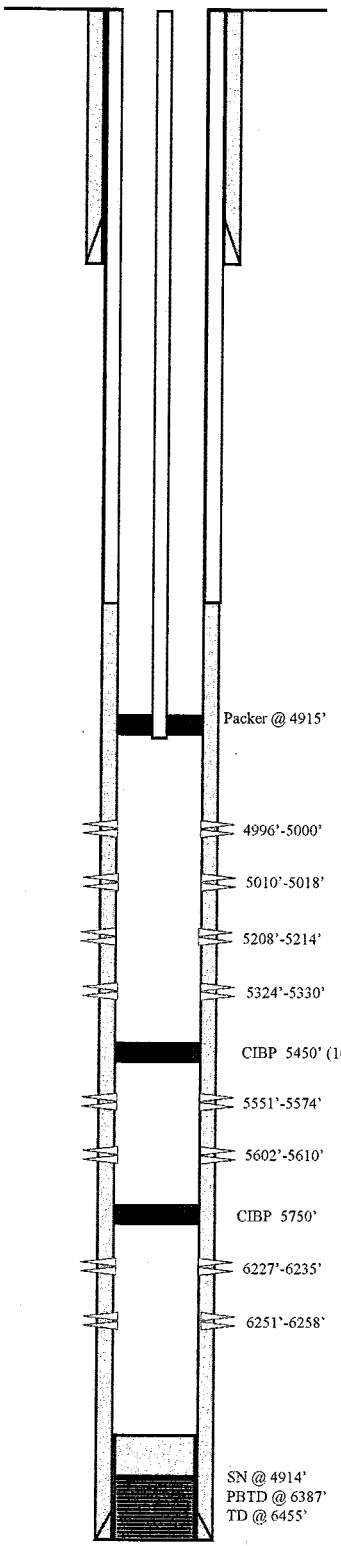
## PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
DEPTH LANDED: 6444'
HOLE SIZE: 7-7/8"
CEMENT DATA: 766 sxs 50/50 POZ.
CEMENT TOP AT: 3104' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 155 jts.
SEATING NIPPLE: 4914' KB
PACKER AT: 4915' KB
TOTAL STRING LENGTH: 4921' KB

Injection Wellbore Diagram




## FRAC JOB

| | | |
|---|---|---|
| **11/28/81** | **6227'-6258'** | **Frac CP-2 sand as follows:** 40,000# of 20/40 sand in 535 bbls of frac fluid. Treated @ avg rate of 29 bpm w/avg press of 2600 psi. ISIP: 2250 psi. Flushed to perfs. |
| **12/04/81** | **4990'-5330'** | **Frac D1/B2 sand as follows:** 59,500# of 20/40 sand in 809 bbls of frac fluid. Treated @ avg rate of 36 bpm w/avg press of 2400 psi. ISIP: 2000 psi. Flushed to perfs. |
| **03/02/85** | **5551'-5610'** | **Frac CP2 sands as follows:** 22,640# of 20/40 sand in 326 bbls of frac fluid. Treated @ avg rate of 20 bpm w/avg press of 4300 psi. ISIP: 2250 psi. Flushed to perfs. |
| 9/02/88 | | Convert to Injector. |
| **1/4/08** | | **5 Year MIT completed and submitted.** |

## PERFORATION RECORD

| | | |
|---|---|---|
| 11/27/81 | 6251'-6258' | 07 holes |
| 11/27/81 | 6227'-6235' | 08 holes |
| 12/04/81 | 4996'-5000' | 05 holes |
| 12/04/81 | 5010'-5018' | 09 holes |
| 12/04/81 | 5208'-5214' | 07 holes |
| 12/04/81 | 5324'-5330' | 07 holes |
| 02/27/85 | 5551', 5556', 5558', 5564', 5566', 5568', 5574', 5602', 5604', 5606', 5608', 5610'. | 12 holes |

NEWFIELD

**Monument Butte Federal #2-35**
2090 FSL & 660 FEL
NESE Section 35-T8S-R16E
Duchesne Co, Utah
API #43-013-30606; Lease #U-16535

CR 1/9/08

Attach. E-12

# Monument Butte Fed. #1-35

Spud Date: 3/19/81
Put on Production: 4/21/81
GL: 5482' KB: 5491'

Wellbore Diagram

Initial Production: 37 BOPD, 19 MCFG, 0 BWPD

## SURFACE CASING

CSG SIZE: 9-5/8"
GRADE:
WEIGHT: 36#
LENGTH: 249'
HOLE SIZE:14-3/4"
CEMENT DATA: 100 sxs Lite cmt. + 190 sxs Class "G".

## PRODUCTION CASING

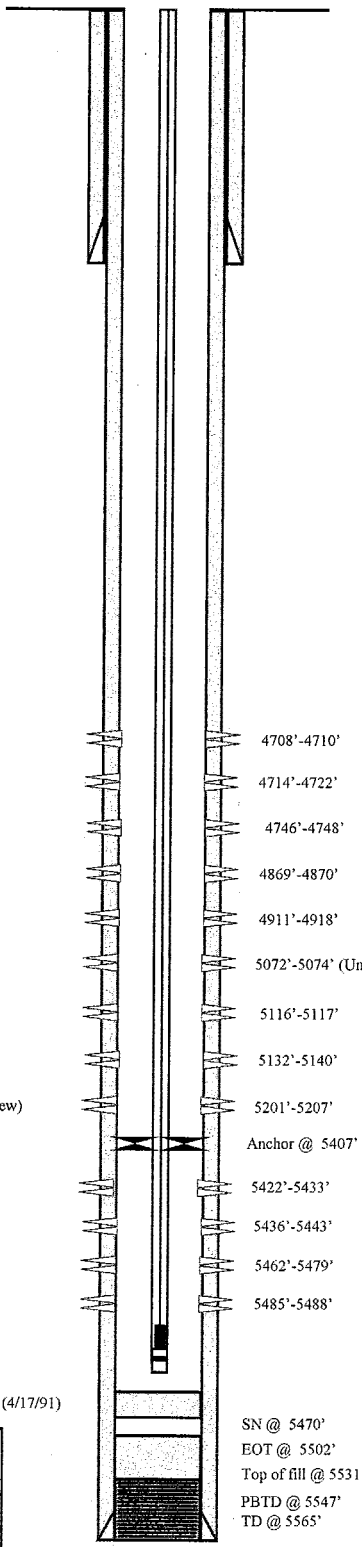
CSG SIZE: 5-1/2" / J-55 / 15.5#
LENGTH: 5563'
HOLE SIZE: 7-7/8"
CEMENT DATA: 700 sxs 50/50 POZ.
CEMENT TOP AT: 1460' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 177 jts (5397.57')
TUBING ANCHOR: 5406.57'
NO. OF JOINTS: 2 jts (60.85')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5470.22' KB
NO. OF JOINTS: 1 jt (30.37')
TOTAL STRING LENGTH: EOT @ 5502.14'

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' Polished Rod
SUCKER RODS: 1-8', 1-6'x ¾" pony rods, 101-3/4" guided rods (top 30 new) 86-3/4" plain rods, 25-3/4" guided rods,(top 15 new) 6-1 ½" weight rods
PUMP SIZE: 2-1/2" x 1-1/2" x 15 1/2' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 4 SPM




Bridge plug milled and pushed to PBTD 5547' (4/17/91)

## FRAC JOB

| | | |
|---|---|---|
| 4/18/81 | 5428'-5441' | **Frac A3 sand as follows:** 10,500# 20/40 sand, 5,000# 13/20 sand in 469 bbls. of diesel. Avg. treating pressure 5100 psi @ 15 BPM. ISIP 2100 psi. |
| 10/17/81 | 4869'-5205' | **Frac D, C, B sands as follows:** 95,500# 20/40 sand in 452 bbls. gelled diesel. Avg. treating press. 3800 psi @ 20 BPM. ISIP 2190 psi. |
| 10/21/81 | 4708'-4748' | **Frac Stray sands as follows:** 95,500# 20/40 sand in 393 bbls. gelled diesel. Avg. treating press. 4600 psi @ 20 BPM. ISIP 2800 psi. |
| May 1996 | | Last reported production. |
| 2/04/02 | | Reperf and new perfs. Return to production. |
| 07/21/06 | | Parted Rods. Tubing & Rod Detail Updated. |

## PERFORATION RECORD

| | | |
|---|---|---|
| 04/18/81 | 5438-5441' | 2 SPF |
| 04/18/81 | 5428-5431' | 2 SPF |
| 10/17/81 | 5202'-5205' | 1 SPF |
| 10/17/81 | 5116'-5117' | 1 SPF |
| 10/17/81 | 4911'-4916' | 1 SPF |
| 10/17/81 | 4869'-4870' | 1 SPF |
| 10/20/81 | 4746'-4748' | 1 SPF |
| 10/20/81 | 4714'-4722' | 1 SPF |
| 10/20/81 | 4708'-4710' | 1 SPF |
| 2/04/02 | 4911'-4918' | 4 SPF |
| 2/04/02 | 5072'-5074' | 4 SPF |
| 2/04/02 | 5132'-5140' | 4 SPF |
| 2/04/02 | 5201'-5207' | 4 SPF |
| 2/04/02 | 5422'-5433' | 4 SPF |
| 2/04/02 | 5436'-5443' | 4 SPF |
| 2/04/02 | 5462'-5479' | 4 SPF |
| 2/04/02 | 5485'-5488' | 4 SPF |

Inland Resources Inc.

**Monument Butte Fed. #1-35**

506' FSL & 528' FEL

SESE Section 35-T8S-R16E

Duchesne Co, Utah

API #43-013-30561; Lease #U-16535

TW 09-01-2006

ATTACHMENT F
1 of 4

West Coast Region
5125 Boylan Street
Bakersfield, CA 83308
(661) 325-4138
Lab Team Leader - Sheila Hernandez
(432) 495-7240

# Water Analysis Report by Baker Petrolite

| | | | |
|---|---|---|---|
| Company: | NEWFIELD EXPLORATION | Sales RDT: | 31706 |
| Region: | WESTERN REGION | Account Manager: | RANDY HUBER (435) 823-0023 |
| Area: | MYTON, UT | Sample #: | 43456 |
| Lease/Platform: | STATE LEASE | Analysis ID #: | 79650 |
| Entity (or well #): | 12-36-8-16 | Analysis Cost: | $80.00 |
| Formation: | UNKNOWN | | |
| Sample Point: | WELLHEAD | | |

| Summary | |
|---|---|
| **Sampling Date:** | 02/26/08 |
| **Analysis Date:** | 03/03/08 |
| **Analyst:** | LISA HAMILTON |
| **TDS (mg/l or g/m3):** | 6729.4 |
| **Density (g/cm3, tonne/m3):** | 1.004 |
| **Anion/Cation Ratio:** | 1.0000000 |
| Carbon Dioxide: | |
| Oxygen: | |
| Comments: | |

**Analysis of Sample 43456 @ 75 °F**

| Anions | mg/l | meq/l |
|---|---|---|
| **Chloride:** | **3369.0** | **95.03** |
| **Bicarbonate:** | **644.0** | **10.55** |
| **Carbonate:** | **124.0** | **4.13** |
| **Sulfate:** | **49.0** | **1.02** |
| Phosphate: | | |
| Borate: | | |
| Silicate: | | |
| Hydrogen Sulfide: | | |
| pH at time of sampling: | | |
| pH at time of analysis: | | 9.24 |
| **pH used in Calculation:** | | **9.24** |

| Cations | mg/l | meq/l |
|---|---|---|
| **Sodium:** | **2441.9** | **106.22** |
| **Magnesium:** | **21.0** | **1.73** |
| **Calcium:** | **26.0** | **1.3** |
| **Strontium:** | **2.5** | **0.06** |
| **Barium:** | **2.0** | **0.03** |
| **Iron:** | **11.0** | **0.4** |
| Potassium: | 38.0 | 0.97 |
| Aluminum: | | |
| Chromium: | | |
| Copper: | | |
| Lead: | | |
| Manganese: | 1.000 | 0.04 |
| Nickel: | | |

| Conditions | | Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temp | Gauge Press. | Calcite $CaCO_3$ | | Gypsum $CaSO_4*2H_2O$ | | Anhydrite $CaSO_4$ | | Celestite $SrSO_4$ | | Barite $BaSO_4$ | | $CO_2$ Press |
| °F | psi | Index | Amount | Index | Amount | Index | Amount | Index | Amount | Index | Amount | psi |
| 80 | 0 | 1.46 | 21.59 | -2.95 | 0.00 | -3.01 | 0.00 | -2.18 | 0.00 | 0.84 | 1.04 | 0.01 |
| 100 | 0 | 1.43 | 21.59 | -2.95 | 0.00 | -2.95 | 0.00 | -2.15 | 0.00 | 0.71 | 1.04 | 0.01 |
| 120 | 0 | 1.41 | 21.59 | -2.94 | 0.00 | -2.86 | 0.00 | -2.11 | 0.00 | 0.59 | 1.04 | 0.02 |
| 140 | 0 | 1.40 | 21.59 | -2.92 | 0.00 | -2.75 | 0.00 | -2.06 | 0.00 | 0.51 | 0.70 | 0.03 |

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

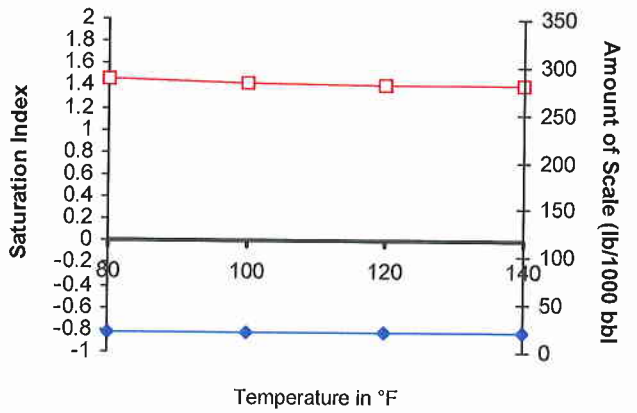
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

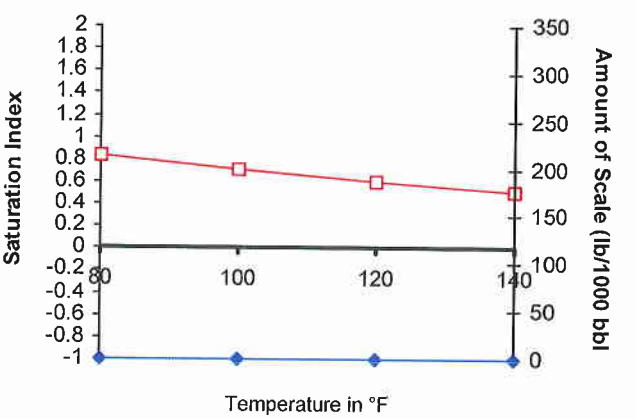
# Scale Predictions from Baker Petrolite

**Analysis of Sample 43456 @ 75 °F for NEWFIELD EXPLORATION, 03/03/08**

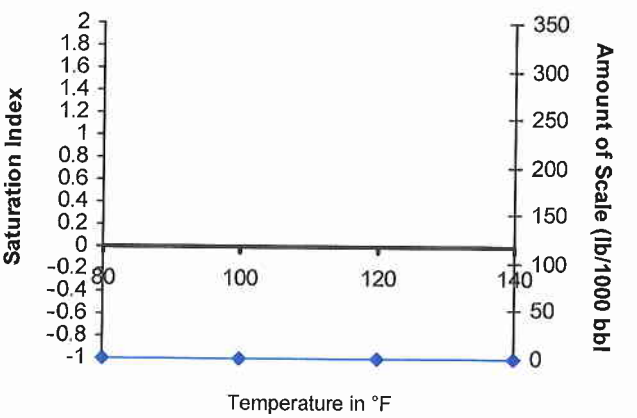
## Calcite - CaCO3



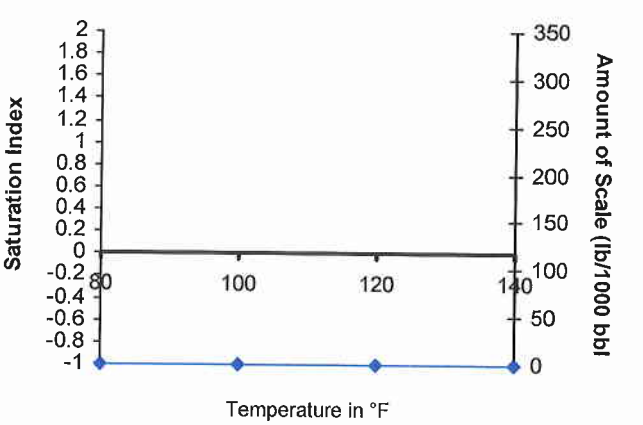

## Barite - BaSO4



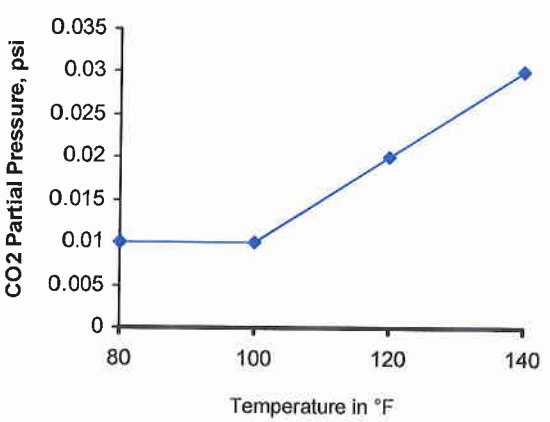

## Gypsum - CaSO4*2H20



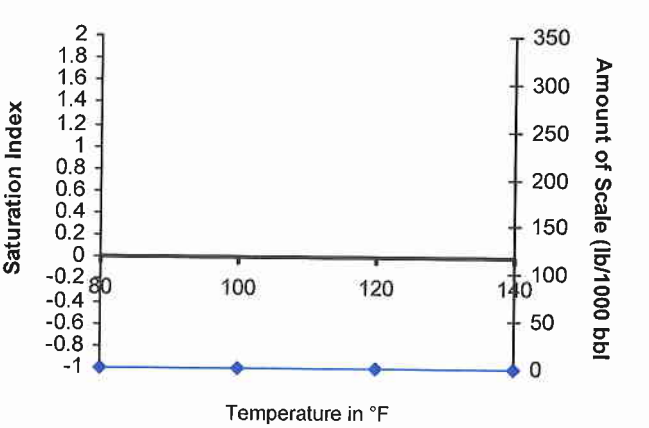

## Anhydrite - CaSO4




## Carbon Dioxide Partial Pressure




## Celestite - SrSO4



Attachment F
3 of 4

West Coast Region
5125 Boylan Street
Bakersfield, CA 83308
(661) 325-4138
Lab Team Leader - Sheila Hernandez
(432) 495-7240

# Water Analysis Report by Baker Petrolite

| | | | |
|---|---|---|---|
| Company: | NEWFIELD EXPLORATION | Sales RDT: | 31706 |
| Region: | WESTERN REGION | Account Manager: | RANDY HUBER (435) 823-0023 |
| Area: | MYTON, UT | Sample #: | 409372 |
| Lease/Platform: | MONUMENT BUTTE FEDERAL | Analysis ID #: | 78567 |
| Entity (or well #): | INJECTION SYSTEM | Analysis Cost: | $80.00 |
| Formation: | UNKNOWN | | |
| Sample Point: | TRIPLEX SUCTION | | |

| Summary | |
|---|---|
| **Sampling Date:** | 01/21/08 |
| **Analysis Date:** | 01/25/08 |
| **Analyst:** | STACEY SMITH |
| **TDS (mg/l or g/m3):** | 3497 |
| **Density (g/cm3, tonne/m3):** | 1.002 |
| **Anion/Cation Ratio:** | 1.0000003 |
| Carbon Dioxide: | |
| Oxygen: | |
| Comments: | |

**Analysis of Sample 409372 @ 75 °F**

| Anions | mg/l | meq/l | Cations | mg/l | meq/l |
|---|---|---|---|---|---|
| **Chloride:** | **1529.0** | **43.13** | **Sodium:** | **1199.3** | **52.17** |
| **Bicarbonate:** | **577.0** | **9.46** | **Magnesium:** | **18.0** | **1.48** |
| **Carbonate:** | **34.0** | **1.13** | **Calcium:** | **34.0** | **1.7** |
| **Sulfate:** | **92.0** | **1.92** | **Strontium:** | **2.0** | **0.05** |
| Phosphate: | | | **Barium:** | **5.0** | **0.07** |
| Borate: | | | **Iron:** | **0.1** | **0.** |
| Silicate: | | | Potassium: | 6.5 | 0.17 |
| | | | Aluminum: | | |
| Hydrogen Sulfide: | | | Chromium: | | |
| pH at time of sampling: | | | Copper: | | |
| pH at time of analysis: | | 8.48 | Lead: | | |
| **pH used in Calculation:** | | **8.48** | Manganese: | 0.050 | 0. |
| | | | Nickel: | | |

| Conditions | | Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temp | Gauge Press. | Calcite $CaCO_3$ | | Gypsum $CaSO_4*2H_2O$ | | Anhydrite $CaSO_4$ | | Celestite $SrSO_4$ | | Barite $BaSO_4$ | | $CO_2$ Press |
| °F | psi | Index | Amount | Index | Amount | Index | Amount | Index | Amount | Index | Amount | psi |
| 80 | 0 | 1.00 | 17.46 | -2.30 | 0.00 | -2.37 | 0.00 | -1.78 | 0.00 | 1.71 | 2.79 | 0.03 |
| 100 | 0 | 1.02 | 18.86 | -2.31 | 0.00 | -2.31 | 0.00 | -1.76 | 0.00 | 1.57 | 2.79 | 0.05 |
| 120 | 0 | 1.05 | 20.26 | -2.30 | 0.00 | -2.23 | 0.00 | -1.73 | 0.00 | 1.46 | 2.79 | 0.08 |
| 140 | 0 | 1.08 | 21.66 | -2.29 | 0.00 | -2.12 | 0.00 | -1.69 | 0.00 | 1.37 | 2.79 | 0.12 |

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

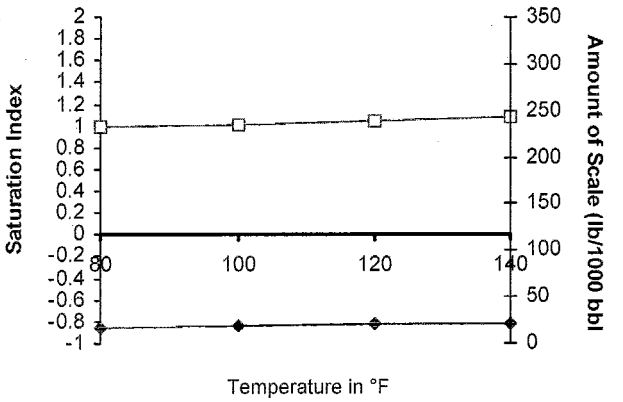
Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

Attachment F
4 of 4

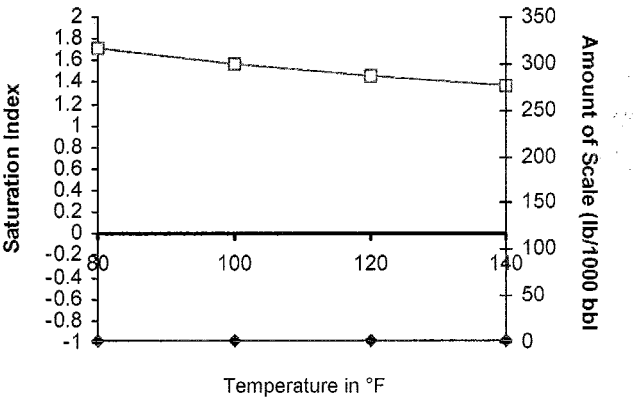
# Scale Predictions from Baker Petrolite

Analysis of Sample 409372 @ 75 °F for NEWFIELD EXPLORATION, 01/25/08

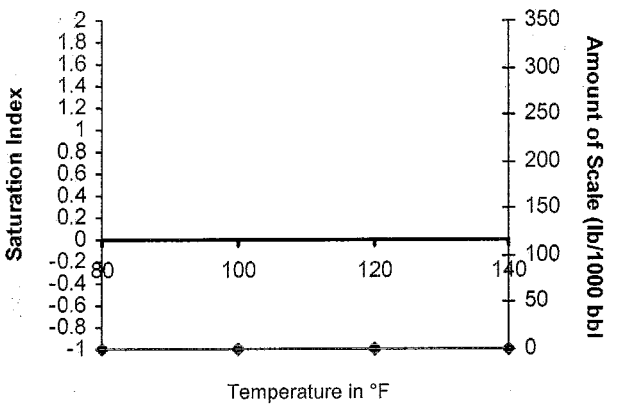
## Calcite - CaCO3



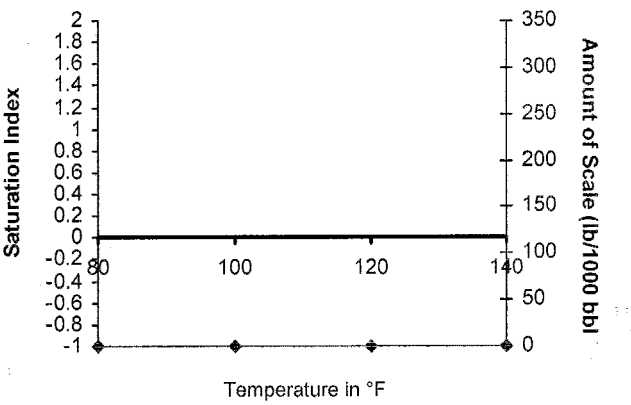

## Barite - BaSO4



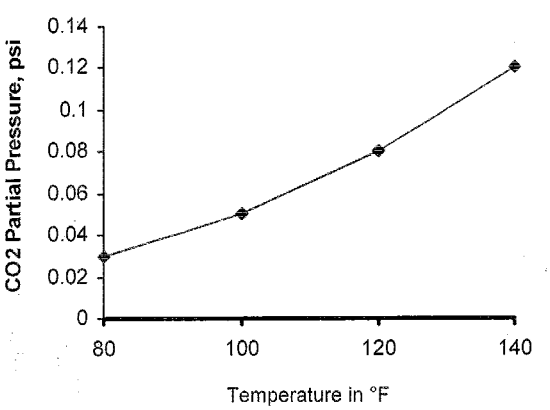

## Gypsum - CaSO4*2H20



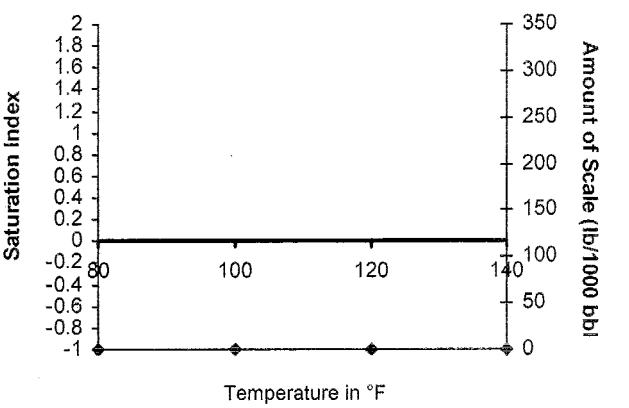

## Anhydrite - CaSO4




## Carbon Dioxide Partial Pressure




## Celestite - SrSO4



Attachment "G"

# Monument Butte 12-36-8-16
# Proposed Maximum Injection Pressure

| Frac Interval (feet) Top | Bottom | Avg. Depth (feet) | ISIP (psi) | Calculated Frac Gradient (psi/ft) | Pmax | |
|---|---|---|---|---|---|---|
| 5327 | 5359 | 5343 | 2700 | 0.94 | 2665 | |
| 4989 | 5006 | 4998 | 1850 | 0.80 | 1818 | ← |
| 5327 | 5359 | 5343 | 6000 | 1.56 | 5965 | |
| 5170 | 5174 | 5172 | 5180 | 1.43 | 5146 | |
| 4710 | 4722 | 4716 | 2490 | 0.96 | 2459 | |
| 4512 | 4546 | 4529 | 2250 | 0.93 | 2221 | |
| | | | | **Minimum** | 1818 | |

Calculation of Maximum Surface Injection Pressure
Pmax = (Frac Grad -(0.433*1.015)) x Depth of Top Perf
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433*Top Perf.))/Top Perf.

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

Attachment G-1
1 of 9

Inland RESOURCES INC.

# DAILY WORKOVER REPORT

**WELL NAME:** MBS 12-36-8-16 **Report Date:** 3-Jan-02 **Completion Day:** 01

**Present Operation:** WORK OVER **Rig:** Basin # 1

## WELL STATUS

Surf Csg: 8 5/8" @ 306' PC 5 1/2' @ 5602' WT 17 # Csg PBTD: 5661'

Tbg: Size: 2 7/8" Wt: 6.5 # Grd: L-80 Pkr/EOT @: 4906' BP/Sand PBTD: 5527'

## PERFORATION RECORD

| Zone | Perfs | SPF/#shots | Zone | Perfs | SPF/#shots |
|---|---|---|---|---|---|
| D-1 | 4989 - 4998' | | | | |
| | 5001 - 5006' | 16 | | | |
| B-2 | 5327 - 5359' | 1/32 | | | |
| | | | | | |
| | | | | | |

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 2-Jan-02 **SITP:** **SICP:**

MIRU Basin #1. Hot oil csgn with 100 bbls water @ 275F* Rig down pumping unit. Unseat rod's. Flush tbg & rod's with 60 bbls water @ 250F* Seat pump and pressure test tbg & rod's to 1,200 psi. TOH with rod string. Nipple down well head. Unset TAC. Nipple up BOP's. TOH with production tbg & BHA. PU& MU Talley in hole with L-80 frac string 4 3/4" bit & 5 1/2" scraper. Tag fill @ 5527.' ( 134' ). Pull EOT above perf's for night.

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 0 Starting oil rec to date:

Fluid lost/recovered today: 200 Oil lost/recovered today:

Ending fluid to be recovered: 200 Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

TBG Detail

Rod Detail

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Pat Wisener

## COSTS

| | |
|---|---|
| Basin # 1 | $2,645 |
| IPC supervision | $200 |
| Zubiate hot oil | $487 |
| Hagman trucking | $1,000 |
| Graco BOP's | $130 |
| IPC water truck | $200 |
| DAILY COST: | $4,662 |
| TOTAL WELL COST: | $4,662 |

Inland RESOURCES INC.

# DAILY WORKOVER REPORT

**WELL NAME:** MBS 12-36-8-16 **Report Date:** 4-Jan-02 **Completion Day:** 02

**Present Operation:** WORK OVER **Rig:** Basin # 1

## WELL STATUS

Surf Csg: 8 5/8" @ 306' PC 5 1/2' @ 5602' WT 17 # Csg PBTD: 5661'

Tbg: Size: 2 7/8" Wt: 6.5 # Grd: L-80 Pkr/EOT @: 1904' BP/Sand PBTD: 5543'

## PERFORATION RECORD

| Zone | | Perfs | SPF/#shots | Zone | | Perfs | SPF/#shots |
|---|---|---|---|---|---|---|---|
| | | | | B-2 | ext | 5327-59' | 1/32 |
| PB-10 | new | 4710-22' | 4/48 | | | | |
| D-1 | ext | 4989-98' | 4/16 | | | | |
| C | new | 5170-74' | 1/32 | | | | |

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 3-Jan-02 **SITP:** _____ **SICP:** _____

TIH with scraper & bit. Tag fill @ 5527' Rig up and clean out to 5543'. HARD fill ??. TOH with N-80 frac string & scraper/bit. Rig up Schlumberger and perforate the C zone & PB-10 zone listed above with 4/JSPF. Set "TS" bridge plug @ 320'. Nipple down BOP's. Fill and test csgn/plug combanation. Remove 3-M csgn head. Install and test 5-M rental head. Nipple up BOP's. PU & HD packer with retrieving head on btm. TIH release "TS". Con't to TIH with tool string to a depth of 1904'. SWIFN.
EST 230 bbls water to recover

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 200 Starting oil rec to date: _____

Fluid lost/recovered today: 30 Oil lost/recovered today: _____

Ending fluid to be recovered: 230 Cum oil recovered: _____

IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

## STIMULATION DETAIL

Base Fluid used: _____ Job Type: _____

Company: _____

TBG Detail | Rod Detail

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____

Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____

ISIP: _____ 5 min: _____ 10 min: _____ 15 min: _____

Completion Supervisor: Pat Wisener

## COSTS

| | |
|---|---|
| Basin # 1 | $2,480 |
| IPC supervision | $200 |
| Well head rental | $550 |
| IPC water trucks | $200 |
| Schlumberger c,pb | $2,500 |
| Graco BOP's | $130 |
| DAILY COST: | $6,060 |
| TOTAL WELL COST: | $10,722 |

Attach. 4-1
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Inland RESOURCES INC.

# DAILY WORKOVER REPORT

**WELL NAME:** MBS 12-36-8-16 **Report Date:** 5-Jan-02 **Completion Day:** 03

**Present Operation:** WORK OVER **Rig:** Basin # 1

## WELL STATUS

Surf Csg: 8 5/8" @ 306' PC 5 1/2' @ 5602' WT 17 # Csg PBTD: 5661'

Tbg: Size: 2 7/8" Wt: 6.5 # Grd: L-80 Pkr/EOT @: 5250' BP/Sand PBTD: 5543'

## PERFORATION RECORD

| Zone | | Perfs | SPF/#shots | Zone | | Perfs | SPF/#shots |
|---|---|---|---|---|---|---|---|
| | | | | B-2 | ext | 5327-59' | 1/32 |
| PB-10 | new | 4710-22' | 4/48 | | | | |
| D-1 | ext | 4989-98' | 4/16 | | | | |
| C | new | 5170-74' | 1/32 | | | | |

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 4-Jan-02 **SITP:** **SICP:**

Cotinue TIH with HD packer & " TS" bridge plug, set plug @ 5400' and set pkr @ 5366'. Test plug to 3000 psi. Release pkr. POOH with 4 jts tbg. RU Frac valve, Circ hole clean.Leave pkr hanging. SWIFN. Est BWTR 230.

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 230 Starting oil rec to date:

Fluid lost/recovered today: 0 Oil lost/recovered today:

Ending fluid to be recovered: 230 Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

TBG Detail

Rod Detail

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Ray Herrera

## COSTS

| | |
|---|---|
| Basin # 1 | $1,500 |
| IPC supervision | $200 |
| | |
| IPC water trucks | $200 |
| Graco BOP's | $150 |
| Weatherford tool's | $2,375 |
| DAILY COST: | $4,425 |
| TOTAL WELL COST: | $15,147 |

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Inland RESOURCES INC.

# DAILY WORKOVER REPORT

**WELL NAME:** MBS 12-36-8-16 **Report Date:** 8-Jan-02 **Day:** 4a

**Operation:** Workover **Rig:** Basin # 1

## WELL STATUS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surf Csg: | 8 5/8' | @ | 306' | Prod Csg: | 5 1/2" | @ | 5602' | WT: | 17# | Csg PBTD: | 5661' |
| Tbg: | Size: | 2 7/8" | Wt: | 6.5# | Grd: | L-80 | Pkr/EOT @: | 0 | | BP/Sand PBTD: | 5400' |

## PERFORATION RECORD

| Zone | | Perfs | SPF/#shots | Zone | | Perfs | SPF/#shots |
|---|---|---|---|---|---|---|---|
| | | | | B-2 | ext | 5327-59' | 1/32 |
| PB-10 | new | 4710-22' | 4/48 | | | | |
| D-1 | ext | 4989-98' | 4/16 | | | | |
| C | new' | 5170-74' | 1/32 | | | | |

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 7-Jan-02 **SITP:** **SICP:**

Set "HD" packer @ 5250.' Rig up B. J. and frac thru 2 7/8" tbg the B-2 sands with 33,092 #'s 20/40 sand in 393 bbls Viking I-25. Cut sand @ blender during 6.5 # stage Due to high treating pressures. 6.5# stage called for 65,000#'s. Cut sand @ 18,092 #'s gone. Total job called for 100,000 #'s with a 8.0# stage. Flushed with 26 bbls 4 bbls short of tbg EOT. Shut in pressure of 5,000psi. Flowed back 5 bbls and died. Unset packer, reverse out. Clean out to RBP @ 5400'. Release "TS" plug move up hole to 5209' set & test same. Pull packer to 5091.' Set same.
618 bbls water to recover.

## FLUID RECOVERY (BBLS)

| | | | |
|---|---|---|---|
| Starting fluid load to be recovered: | 230 | Starting oil rec to date: | |
| Fluid lost/recovered today: | 388 | Oil lost/recovered today: | |
| Ending fluid to be recovered: | 618 | Cum oil recovered: | |

IFL: srfc FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

**Base Fluid used:** Viking I-25 **Job Type:** Sand frac

**Company:** BJ Services

**Procedure or Equipment detail:** B-2 sands

7500 gals of pad

5000 gals W/ 1-5 ppg of 20/40 sand

2896 gals W/ 6.5 ppg of 20/40 sand **18,000#'s of 65,000#'s called for.**

Flush W/ 1092 gals of slick water

Screened out 26 bbls of 30 flush.

**Max TP:** 6000 **Max Rate:** 12.5 **Total fluid pmpd:** 393 bbls

**Avg TP:** 4500 **Avg Rate:** 7 **Total Prop pmpd:** 33,092#

**ISIP:** 6000 **5 min:** **10 min:** **FG:**

**Workover Supervisor:** Pat Wisener

## COSTS

| | |
|---|---|
| Basin | $2,830 |
| IPC supervision | $200 |
| Graco BOP's | $150 |
| B. J. Frac B snds | $21,680 |
| Frac water & trucking | $1,500 |
| Fuel gas.+/- 120 MCF | $360 |
| Frac Tanks 5 day's | $800 |
| **DAILY COST:** | $27,520 |
| **TOTAL WELL COST:** | $42,667 |

Attach 4-1
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Inland RESOURCES INC.

# DAILY WORKOVER REPORT

**WELL NAME:** MBS 12-36-8-16 **Report Date:** 8-Jan-02 **Day:** 4b

**Operation:** Workover **Rig:** Basin # 1

## WELL STATUS

Surf Csg: 8 5/8' @ 306' Prod Csg: 5 1/2" @ 5602' WT: 17# Csg PBTD: 5661'

Tbg: Size: 2 7/8" Wt: 6.5# Grd: L-80 Pkr/EOT @: 0 BP/Sand PBTD: 4800'

## PERFORATION RECORD

| Zone | | Perfs | SPF/#shots | Zone | | Perfs | SPF/#shots |
|---|---|---|---|---|---|---|---|
| | | | | B-2 | ext | 5327-59' | 1/32 |
| PB-10 | new | 4710-22' | 4/48 | | | | |
| D-1 | ext | 4989-98' | 4/16 | | | | |
| C | new' | 5170-74' | 1/32 | | | | |

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 7-Jan-02 **SITP:** _____ **SICP:** _____

Set "HD" packer @ 5091'. Rig up B. J. and frac thru 2 7/8" tbg the C sands with 17,000 #'s 20/40 sand in 116 bbls Viking I-25. Screened out with 6,600 #'s sand still in tbg during 6.5 # stage. Shut in pressure of 5,180psi. Flowed back 2 bbls and died. Unset packer, reverse out. Clean out to RBP @ 5209'. Release "TS" plug move up hole to 4800' set & test same. TOH and lay down packer. Prepare to frac PB-10 sands in am.
SWIFN
732 bbls water to recover.

## FLUID RECOVERY (BBLS)

| | | | |
|---|---|---|---|
| Starting fluid load to be recovered: | 618 | Starting oil rec to date: | |
| Fluid lost/recovered today: | 114 | Oil lost/recovered today: | |
| Ending fluid to be recovered: | 732 | Cum oil recovered: | |

IFL: srfc FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

## STIMULATION DETAIL

**Base Fluid used:** Viking I-25 **Job Type:** Sand frac

**Company:** BJ Services

**Procedure or Equipment detail:** B-2 sands

1400 gals of pad
1100 gals W/ 1-5 ppg of 20/40 sand
2272 gals W/ 6.5 ppg of 20/40 sand
Screened out before flush

Max TP: 5180 Max Rate: 11.5 Total fluid pmpd: 116bbls

Avg TP: 2900 Avg Rate: 5 Total Prop pmpd: 17,000#

ISIP: 5180 5 min: _____ 10 min: _____ FG: _____

**Workover Supervisor:** Pat Wisener

## COSTS

| | |
|---|---|
| Basin | $0 |
| IPC supervision | $0 |
| Graco BOP's | $0 |
| B. J. Frac C snds | $7,700 |
| Weatherford tool hand | $250 |
| **DAILY COST:** | $7,950 |
| **TOTAL WELL COST:** | $50,617 |

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Inland RESOURCES INC.

# DAILY WORKOVER REPORT

**WELL NAME:** MBS 12-36-8-16 **Report Date:** 9-Jan-02 **Day:** 5a

**Operation:** Workover **Rig:** Basin # 1

## WELL STATUS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surf Csg: | 8 5/8' | @ | 306' | Prod Csg: | 5 1/2" | @ | 5602' | WT: | 17# | Csg PBTD: | 5661' |
| Tbg: | Size: | 2 7/8" | Wt: | 6.5# | Grd: | L-80 | Pkr/EOT @: | 0 | | BP/Sand PBTD: | 4800' |

## PERFORATION RECORD

| Zone | | Perfs | SPF/#shots | Zone | | Perfs | SPF/#shots |
|---|---|---|---|---|---|---|---|
| | | | | B-2 | ext | 5327-59' | 1/32 |
| PB-10 | new | 4710-22' | 4/48 | | | | |
| D-1 | ext | 4989-98' | 4/16 | | | | |
| C | new | 5170-74' | 1/32 | | | | |

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 8-Jan-02 **SITP:** 0 **SICP:** 0

Rig up B.J. and frac the PB-10 Zone's @ 4710-22' with 310 bbls Viking I-25 fluid with 32,500 #'s 20/40 white sand. Break down @ 4212 psi. treated with ave. rate of 25 bpm. F.G. of .957. Start immediate flow back @ 1bpm. Recovered 149 bbls. in 2 3/4 hours. TIH with retrieving head clean out to plug @ 4800' Circulate hole clean release plug. TOH till plug @ 4600'. Set and test same. TOH with tbg. Prepare to perf GB zone.
Recovered EST 48% of Frac load.

## FLUID RECOVERY (BBLS)

| | | | |
|---|---|---|---|
| Starting fluid load to be recovered: | 732 | Starting oil rec to date: | |
| Fluid lost/recovered today: | 161 | Oil lost/recovered today: | |
| Ending fluid to be recovered: | 893 | Cum oil recovered: | |

IFL: srfc FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

**Base Fluid used:** Viking I-25 **Job Type:** Sand frac

**Company:** BJ Services

**Procedure or Equipment detail:** PB-10

2400 gals of pad
1875 gals W/ 1-5 ppg of 20/40 sand
3750 gals W/ 5-8 ppg of 20/40 sand
4620 gals slick water flush
.957 F.G.

Max TP: 2000 Max Rate: 25 Total fluid pmpd: 310bbls

Avg TP: 2200 Avg Rate: 25 Total Prop pmpd: 32,500#

ISIP: 2490 5 min: 10 min: FG: .957

**Workover Supervisor:** Pat Wisener

## COSTS

| | |
|---|---|
| Basin | $0 |
| IPC supervision | $0 |
| Graco BOP's | $0 |
| B. J. Frac Pb-10 snds | $17,500 |
| Weatherford tool hand | $250 |
| **DAILY COST:** | $17,750 |
| **TOTAL WELL COST:** | $68,367 |

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Inland RESOURCES INC.

# DAILY WORKOVER REPORT

**WELL NAME:** MBS 12-36-8-16 **Report Date:** 9-Jan-02 **Day:** 5b

**Operation:** Workover **Rig:** Basin # 1

## WELL STATUS

Surf Csg: 8 5/8' @ 306' Prod Csg: 5 1/2" @ 5602' WT: 17# Csg PBTD: 5661'

Tbg: Size: 2 7/8" Wt: 6.5# Grd: L-80 Pkr/EOT @: 0 BP/Sand PBTD: 4600'

## PERFORATION RECORD

| Zone | | Perfs | SPF/#shots | Zone | | Perfs | SPF/#shots |
|---|---|---|---|---|---|---|---|
| GB | new | 4512-18' | 4/24 | | | | |
| GB | new | 4542-46' | 4/16 | B-2 | ext | 5327-59' | 1/32 |
| PB-10 | new | 4710-22' | 4/48 | | | | |
| D-1 | ext | 4989-98' | 4/16 | | | | |
| C | new | 5170-74' | 1/32 | | | | |

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 8-Jan-02 **SITP:** 0 **SICP:** 0

Rig up Schlumberger and perf the GB zones @ 4512-18' & 4542-46' with 4JSPF. Rig up B.J. and frac the GB Zone's @ 4512-18' & 4542-46' with 302 bbls Viking I-25 fluid with 33,000 #'s 20/40 white sand. Break down @ 3340 psi. treated with ave. rate of 25 bpm. F.G. of .925 Start immediate flow back @ 1bpm. Recovered 143 bbls. in 3 1/2 hours. Recovered 47% of frac load. SWIFN.

EST 1052 bbls water to recover.

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 893 Starting oil rec to date:

Fluid lost/recovered today: 159 Oil lost/recovered today:

Ending fluid to be recovered: 1052 Cum oil recovered:

IFL: srfc FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: GB

2400 gals of pad

1875 gals W/ 1-5 ppg of 20/40 sand

3750 gals W/ 5-8 ppg of 20/40 sand

4410 gals slick water flush

.952 F.G.

Max TP: 3340 Max Rate: 25 Total fluid pmpd: 302bbls

Avg TP: 2200 Avg Rate: 25 Total Prop pmpd: 33,000#

ISIP: 2250 5 min: 10 min: FG: .952

Workover Supervisor: Pat Wisener

## COSTS

| | |
|---|---|
| Basin | $2,710 |
| IPC supervision | $200 |
| Graco BOP's | $130 |
| B. J. Frac GB snds | $14,750 |
| Weatherford tool hand | $250 |
| Schlumberger | $2,000 |
| DAILY COST: | $20,040 |
| TOTAL WELL COST: | $88,407 |

Attach. 9-1
8 of 9

Inland RESOURCES INC.

# DAILY WORKOVER REPORT

WELL NAME: MBS 12-36-8-16 Report Date: 10-Jan-02 Day: 6

Operation: Workover Rig: Basin # 1

## WELL STATUS

Surf Csg: 8 5/8" @ 306' Prod Csg: 5 1/2" @ 5602' WT: 17# Csg PBTD: 5661'

Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 3600 BP/Sand PBTD: 3600

## PERFORATION RECORD

| Zone | | Perfs | SPF/#shots | Zone | | Perfs | SPF/#shots |
|---|---|---|---|---|---|---|---|
| GB | new | 4512-18' | 4/24 | | | | |
| GB | new | 4542-46' | 4/16 | B-2 | ext | 5327-59' | 1/32 |
| PB-10 | new | 4710-22' | 4/48 | | | | |
| D-1 | ext | 4989-98' | 4/16 | | | | |
| C | new | 5170-74' | 1/32 | | | | |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 9-Jan-02 SITP: 0 SICP: 300

Bleed down well. TIH with retrieving head. Tag sand 4463' Clean out to RBP @ 4600'. Release same. TOH with RBP to 3600'. Set same. Test to 1,000 psi. TOH and lay down L-80 frac string. Nipple down BOP's. remove rental csgn head. Install original csgn head. Test same. Nipple up BOP's. TIH to EOT @ 3600'. SWIFN.

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1052 Starting oil rec to date:

Fluid lost/recovered today: 35 Oil lost/recovered today:

Ending fluid to be recovered: 1017 Cum oil recovered:

IFL: srfc FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

| TUBING DETAIL | ROD DETAIL | COSTS | |
|---|---|---|---|
| | | Basin | $2,988 |
| | | IPC supervision | $200 |
| | | Graco BOP's | $130 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | DAILY COST: | $3,318 |
| | | TOTAL WELL COST: | $91,725 |

Workover Supervisor: Pat Wisener

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Inland RESOURCES INC.

# DAILY WORKOVER REPORT

**WELL NAME:** MBS 12-36-8-16 **Report Date:** 11-Jan-02 **Day:** 07

**Operation:** Workover **Rig:** Basin # 1

## WELL STATUS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Surf Csg:** | 8 5/8' | @ | 306' | **Prod Csg:** | 5 1/2" | @ | 5602' | **WT:** 17# | **Csg PBTD:** 5661' |
| **Tbg:** | **Size:** | 2 7/8" | **Wt:** | 6.5# | **Grd:** | J-55 | **Pkr/EOT @:** | 5469+/- | **BP/Sand PBTD:** 5543' |

## PERFORATION RECORD

| Zone | | Perfs | SPF/#shots | Zone | | Perfs | SPF/#shots |
|---|---|---|---|---|---|---|---|
| GB | new | 4512-18' | 4/24 | | | | |
| GB | new | 4542-46' | 4/16 | B-2 | ext | 5327-59' | 1/32 |
| PB-10 | new | 4710-22' | 4/48 | | | | |
| D-1 | ext | 4989-98' | 4/16 | | | | |
| C | new | 5170-74' | 1/32 | | | | |

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 10-Jan-02 **SITP:** 0 **SICP:**

TIH release RBP. TOH lay down RBP. PU & MU 4 3/4" drag bit. TIH with same. Tag sand @ 5543'. Pull EOT to 5469'. Rig up swab. Made total of 14 runs. Recovered 110 bbls. 15% final oil cut with trace of sand. Initial fluid level @ surface. Final fluid level 1,000' SWIFN.

Est 907 bbls water to recover.

## FLUID RECOVERY (BBLS)

| | | | |
|---|---|---|---|
| **Starting fluid load to be recovered:** | 1017 | **Starting oil rec to date:** | 0 |
| Fluid lost/**recovered today:** | 110 | **Oil lost/recovered today:** | 15 |
| **Ending fluid to be recovered:** | 907 | **Cum oil recovered:** | 15 |

**IFL:** srfc **FFL:** 1000 **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:** 15

| TUBING DETAIL | ROD DETAIL | COSTS | |
|---|---|---|---|
| | | Basin | $2,635 |
| | | IPC supervision | $200 |
| | | Graco BOP's | $130 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | **DAILY COST:** | $2,965 |

**Workover Supervisor:** Pat Wisener **TOTAL WELL COST:** $95,597

## ATTACHMENT H

## WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

| | | |
|---|---|---|
| 1. | | Set CIBP @ 4417'. |
| 2. | Plug #1 | Set 100' plug on top of CIBP using 12 sx Class "G" cement. |
| 3. | Plug #2 | Set 200' plug from 2000'-2200' with 25 sx Class "G" cement. |
| 4. | | Perforate 4 JSPF @ 346' |
| 5. | Plug #3 | Circulate 112 sx Class G Cement down 5 -1/2" casing and up the 5-1/2" x 8-5/8" annulus |

The approximate cost to plug and abandon this well is $35,401.

Attach. H-1

# Monument Butte #12-36

Spud Date: 9/4/1983
Put on Production: 10/20/1983
GL: 5505' KB: 5515'

Proposed Injection
Wellbore Diagram

Initial Production: 45 BOPD,
202 MCFD, 3 BWPD

## SURFACE CASING

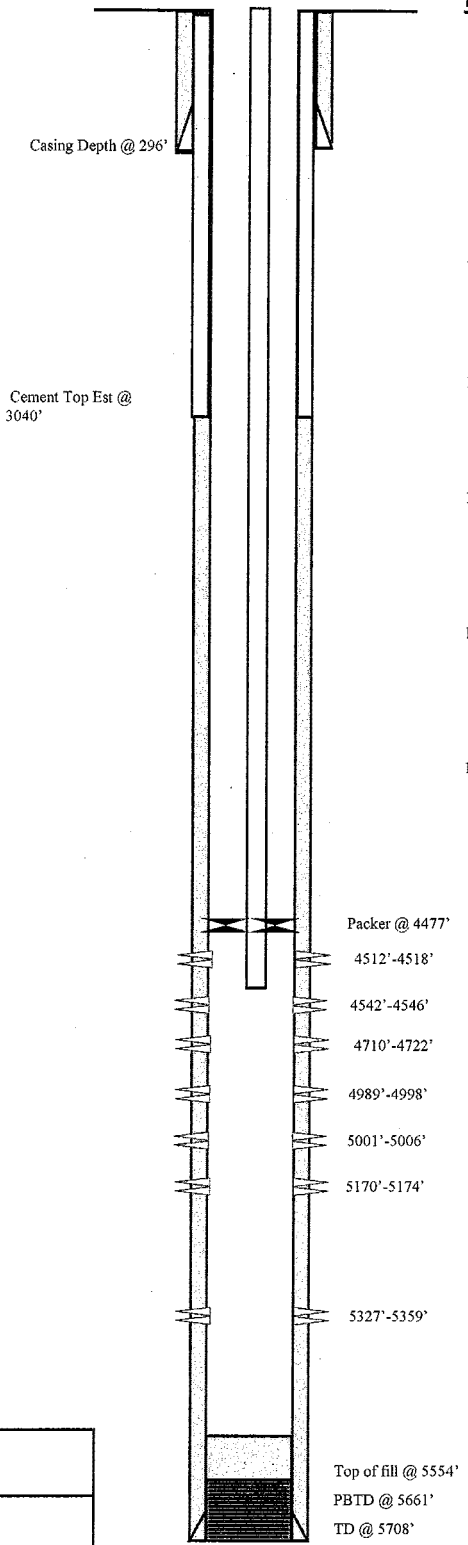
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts.
DEPTH LANDED: 296' GL
HOLE SIZE:12-1/4"
CEMENT DATA: 210 sxs Class "G" cmt.

## PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
DEPTH LANDED: 5700'
HOLE SIZE: 7-7/8"
CEMENT DATA: 400 sxs Class "G"
EST. CEMENT TOP AT: 3040 per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 164 jts (5261.00')
TUBING ANCHOR: 5271.00'
NO. OF JOINTS: 2 jts (5273.85')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5336.00'
NO. OF JOINTS: 1 jts (5337.10')
TOTAL STRING LENGTH: EOT @ 5370.00'




## FRAC JOB

| | | |
|---|---|---|
| 11/29/83 | 5327'-5359' | **Frac B-2 sand as follows:** 53,800# 20/40 sand in 971 bbls 5% KCl fluid. Treated @ avg press of 2630 psi w/avg rate of 30 BPM. ISIP 2700 psi. |
| 10/09/83 | 4989'-5006' | **Frac D-1 sand as follows:** 82,000# 20/40 sand in 583 bbls 5% KCl fluid. Treated @ avg press of 1700 psi w/avg rate of 25 BPM. ISIP 1850 psi. |
| 1/7/02 | 5327'-5359' | **Frac B-2 sand as follows:** 33,092# 20/40 sand in 393 bbls Viking I-25 fluid. Treated @ avg press of 4500 psi w/avg rate of 7 BPM. ISIP 6000 psi. Screened out. |
| 1/7/02 | 5170'-5174' | **Frac C-SD sand as follows:** 17,000# 20/40 sand in 116 bbls Viking I-25 fluid. Treated @ avg press of 2900 psi w/avg rate of 5 BPM. ISIP 5180 psi. Screened out. |
| 1/8/02 | 4710'-4722' | **Frac PB-10 sand as follows:** 32,500# 20/40 sand in 310 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 2490 psi. Cal. flush: 4710 gal, Act. flush: 4620 gal. |
| 1/8/02 | 4512'-4546' | **Frac GB sand as follows:** 33,000# 20/40 sand in 302 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 2250 psi. Cal. flush: 4512 gal, Act. flush: 4410 gal. |
| 10/8/07 | | Pump change. Updated rod & tubing details. |

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 09/28/83 | 5327'-5359' | 1 SPF | 32 holes |
| 10/08/83 | 4948'-4998' | 1 SPF | 10 holes |
| 10/08/83 | 5001'-5006' | 1 SPF | 06 holes |
| 10/29/90 | 5327'-5359' | 3 SPF | 96 holes |
| 01/03/02 | 5170'-5174' | 4 SPF | 16 holes |
| 01/03/02 | 4710'-4722' | 4 SPF | 48 holes |
| 01/08/02 | 4512'-4518' | 4 SPF | 24 holes |
| 01/08/02 | 4542'-4546' | 4 SPF | 16 holes |

NEWFIELD

**Monument Butte #12-36**

638' FWL & 2046' FSL
NWSW Section 36-T8S-R16E
Duchesne Co, Utah
API #43-013-30746; Lease #ML-22061

JM 2/12/2008

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22061

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: STATE 12-36

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301330746

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2046 FSL 638 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSW, 36, T8S, R16E

STATE: UT

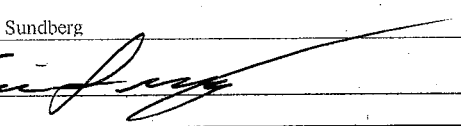
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| [X] NOTICE OF INTENT (Submit in Duplicate) | [ ] ACIDIZE | [ ] DEEPEN | [ ] REPERFORATE CURRENT FORMATION |
| Approximate date work will | [ ] ALTER CASING | [ ] FRACTURE TREAT | [ ] SIDETRACK TO REPAIR WELL |
| 02/14/2008 | [ ] CASING REPAIR | [ ] NEW CONSTRUCTION | [ ] TEMPORARITLY ABANDON |
| | [ ] CHANGE TO PREVIOUS PLANS | [ ] OPERATOR CHANGE | [ ] TUBING REPAIR |
| [ ] SUBSEQUENT REPORT (Submit Original Form Only) | [ ] CHANGE TUBING | [ ] PLUG AND ABANDON | [ ] VENT OR FLAIR |
| Date of Work Completion: | [ ] CHANGE WELL NAME | [ ] PLUG BACK | [ ] WATER DISPOSAL |
| | [ ] CHANGE WELL STATUS | [ ] PRODUCTION (START/STOP) | [ ] WATER SHUT-OFF |
| | [ ] COMMINGLE PRODUCING FORMATIONS | [ ] RECLAMATION OF WELL SITE | [ ] OTHER: - |
| | [X] CONVERT WELL TYPE | [ ] RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

NAME (PLEASE PRINT) Eric Sundberg TITLE Regulatory Analyst

SIGNATURE  DATE 3/5/08

(This space for State use only)

# DIVISION OF OIL, GAS AND MINING
# UNDERGROUND INJECTION CONTROL PROGRAM
# PERMIT
# STATEMENT OF BASIS

**Applicant:** Newfield Production Company **Well:** Monument Butte State 12-36-8-16

**Location:** 36/8S/16E **API:** 43-013-30746

**Ownership Issues:** The proposed well is located on State land. The well is located in the Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 306 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,700 feet. A cement bond log demonstrates adequate bond in this well up to 3,300 feet. A 2 7/8 inch tubing with a packer will be set at 5,271 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells, 4 injection wells and 1 shut-in well in the area of review. All of the wells have evidence of adequate casing and cement except the Monument Federal 8-35-8-16 (43-013-312630, State 1-36-8-16 (43-013-30592), and Monument Butte State 10-36-8-16 (43-013-31551) wells. The proposed injection well top will be restricted to 4,330 feet. No other corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is approximately 505 feet. Injection shall be the interval between 4,330 feet and 5,708 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 12-36-8-16 well is .80 psi/ft which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,818 psig. The requested maximum pressure is 1,818 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

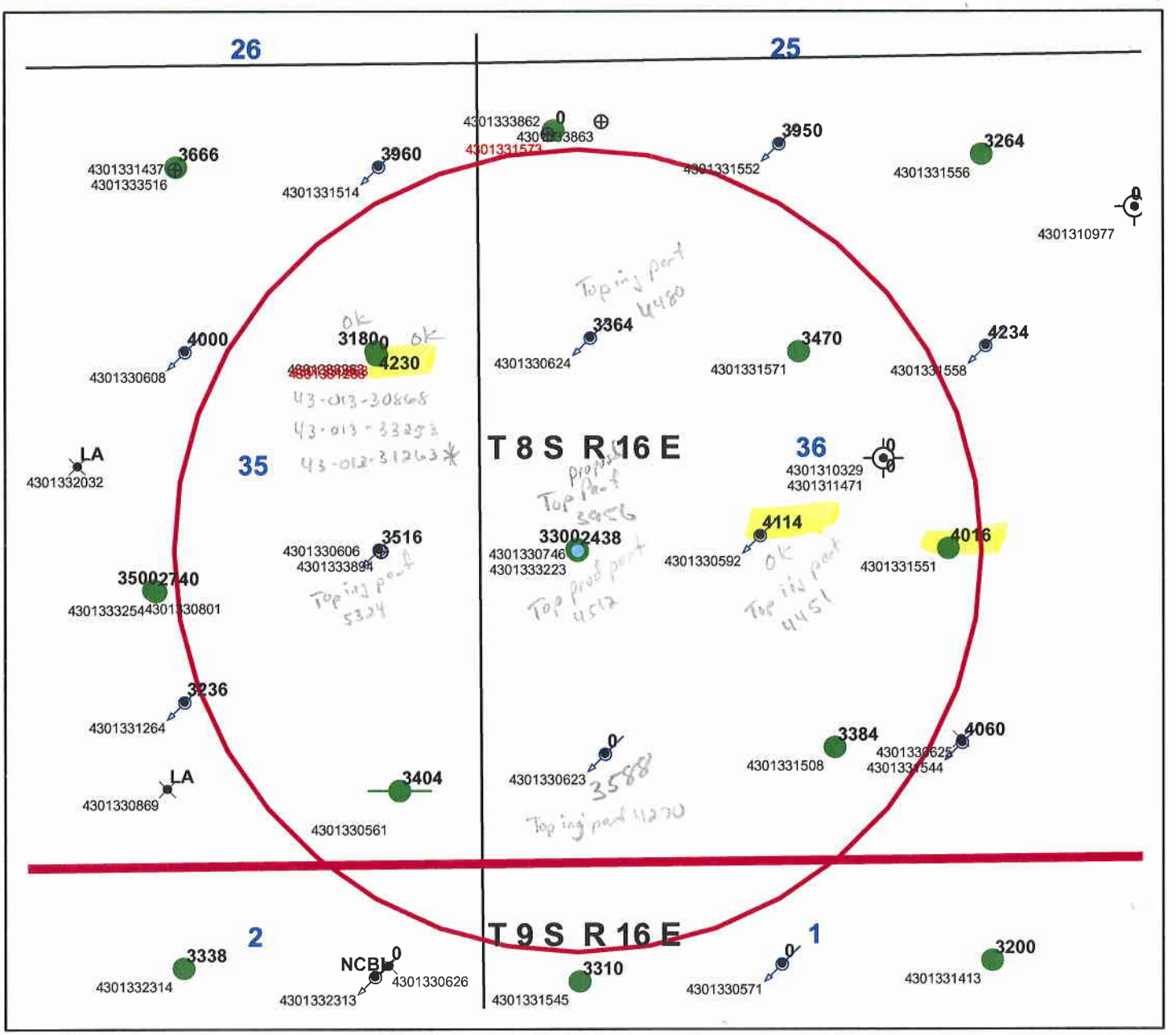
**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Monument Butte Unit July 23, 1993. Correlative rights issues were addressed at that time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM.

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Clinton Dworshak Date 04/24/2008




# Monument Butte State 12-36-8-16

## Legend

| | | | |
|---|---|---|---|
| **wells point** | ● | POW | |
| **WELLTYPE** | | SGW | |
| | GIW | SOW | |
| | GSW | TA | |
| | LA | TW | |
| | LOC | WDW | |
| | PA | WIW | |
| | PGW | WSW | |

0 0.36 Miles

# NOTICE OF AGENCY ACTION CAUSE NO. UIC 066.2

BEFORE THE DIVISION OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of the Newfield Exploration Company for administrative approval of the State 12-36 Well, located in NW/4 SW/4 Section 36, Township 8 South, Range 16 East, Salt Lake Meridian, Duchesne, Utah, for conversion to a Class II injection well. This well is located in the Monument Butte Unit. The adjudicative proceedings will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Newfield Exploration Company.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a wtitten protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Gil Hunt, Associate Director, at P.O. Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 21st day of March, 2008

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

Gil Hunt

Associate Director

Published in the Uintah Basin Standard March 25, 2008.

NATURAL OF AGENCY ACTION
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
CAUSE NO. UIC 066.2

IN THE MATTER OF THE APPLICATION OF NEWFIELD EXPLORATION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE STATE 12-36 WELL LOCATED IN SECTION 36, TOWNSHIP 8 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of the Newfield Exploration Company for administrative approval of the State 12-36 Well, located in NW/4 SW/4 Section 36, Township 8 South, Range 16 East, Salt Lake Meridian, Duchesne, Utah, for conversion to a Class II injection well. This well is located in the Monument Butte Unit. The adjudicative proceedings will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

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Dated this 21st day of March, 2008

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/ Gil Hunt
Associate Director

261127 UPAXLP

JON M. HUNTSMAN, JR.
*Governor*
GARY R. HERBERT
*Lieutenant Governor*

# State of Utah
**DEPARTMENT OF NATURAL RESOURCES**
MICHAEL R. STYLER
*Executive Director*
**Division of Oil, Gas and Mining**
JOHN R. BAZA
*Division Director*

April 30, 2008

Newfield Production Company
1401 17th Street, Suite 1000
Denver, Colorado 80202

Re: Monument Butte Unit Well: Monument Butte State 12-36-8-16, Section 36, Township 8 South, Range 16 East, Duchesne County, Utah

Mr. Eric Sundberg,

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.

2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company. The injection zone will be restricted from 4,330 feet to 5,780 feet.

3. A casing\tubing pressure test shall be conducted prior to commencing injection.

The Division will issue an Underground Injection Control Permit after the above stipulations have been meet. If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

Gil Hunt
Associate Director

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Newfield Production Company, Myton
SITLA
Duchesne County
Well File

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

| 5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22061 |
|---|
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT |
| 8. WELL NAME and NUMBER: STATE 12-36 |
| 9. API NUMBER: 4301330746 |
| 10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE |

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2046 FSL 638 FWL COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSW, 36, T8S, R16E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| [ ] NOTICE OF INTENT (Submit in Duplicate) | [ ] ACIDIZE | [ ] DEEPEN | [ ] REPERFORATE CURRENT FORMATION |
| Approximate date work will | [ ] ALTER CASING | [ ] FRACTURE TREAT | [ ] SIDETRACK TO REPAIR WELL |
| | [ ] CASING REPAIR | [ ] NEW CONSTRUCTION | [ ] TEMPORARITLY ABANDON |
| | [ ] CHANGE TO PREVIOUS PLANS | [ ] OPERATOR CHANGE | [ ] TUBING REPAIR |
| | [ ] CHANGE TUBING | [ ] PLUG AND ABANDON | [ ] VENT OR FLAIR |
| [X] SUBSEQUENT REPORT (Submit Original Form Only) | [ ] CHANGE WELL NAME | [ ] PLUG BACK | [ ] WATER DISPOSAL |
| Date of Work Completion: | [X] CHANGE WELL STATUS | [ ] PRODUCTION (START/STOP) | [ ] WATER SHUT-OFF |
| 06/10/2009 | [ ] COMMINGLE PRODUCING FORMATIONS | [ ] RECLAMATION OF WELL SITE | [ ] OTHER: - |
| | [X] CONVERT WELL TYPE | [ ] RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was converted from a producing oil well to an injection well on 06/02/09. On 06/03/09 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test 06/04/09. On 06/04/09 the casing was pressured up to 1560 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.
API# 43-013-30746

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**

NAME (PLEASE PRINT) Jentri Park TITLE Production Tech

SIGNATURE [signature] DATE 06/10/2009

(This space for State use only)

RECEIVED
JUN 15 2009
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test
# Casing or Annulus Pressure Test

**Newfield Production Company**
**Rt. 3 Box 3630**
**Myton, UT 84052**
**435-646-3721**

**Witness:** _____ **Date** 6/4/2009 **Time** 10:00 (am) pm

**Test Conducted by:** DAVE CHOWARD

**Others Present:** _____

| | |
|---|---|
| **Well:** MONUMENT BUTTE STATE 12-36-8-16 | **Field:** MONUMENT BUTTE STATE 12-36-8-16 |
| **Well Location:** MONUMENT BUTTE STATE NW/SW SEC 36, T8S, R16E | **API No:** DUCHESNE County, Utah 43-013-30746 |

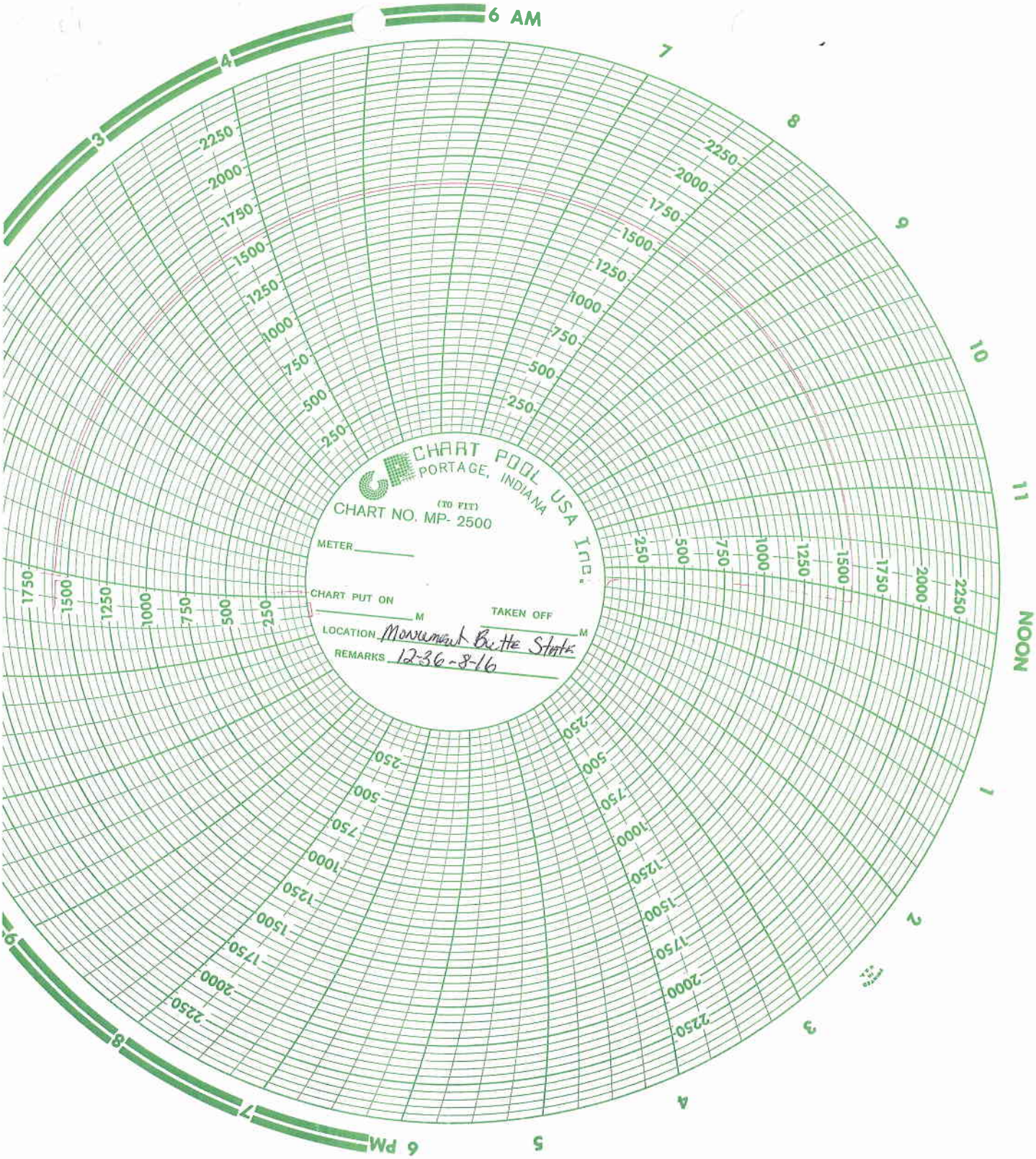
| Time | Casing Pressure | |
|---|---|---|
| 0 min | 1560 | psig |
| 5 | 1560 | psig |
| 10 | 1560 | psig |
| 15 | 1560 | psig |
| 20 | 1560 | psig |
| 25 | 1560 | psig |
| 30 min | 1560 | psig |
| 35 | | psig |
| 40 | | psig |
| 45 | | psig |
| 50 | | psig |
| 55 | | psig |
| 60 min | | psig |

**Tubing pressure:** 0 psig

Result: (Pass) Fail

**Signature of Witness:** _____

**Signature of Person Conducting Test:** David Choward


6 AM
NOON
6 PM
CHART POOL USA Inc.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER
CHART PUT ON
M
TAKEN OFF
M
LOCATION Monument Butte State
REMARKS 12-36-8-16

GARY R. HERBERT
*Governor*
GREG BELL
*Lieutenant Governor*

# State of Utah

**DEPARTMENT OF NATURAL RESOURCES**
MICHAEL R. STYLER
*Executive Director*
**Division of Oil, Gas and Mining**
JOHN R. BAZA
*Division Director*

## UNDERGROUND INJECTION CONTROL PERMIT

### Cause No. UIC-066

**Operator:** Newfield Production Company

**Well:** Monument Butte State 12-36-8-16

**Location:** Section 36, Township 8 South, Range 16 East

**County:** Duchesne

**API No.:** 43-013-30746

**Well Type:** Enhanced Recovery (waterflood)

**Stipulations of Permit Approval**

1. Approval for conversion to Injection Well issued on April 30, 2008.
2. Maximum Allowable Injection Pressure: 1,818 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,330' – 5,708')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

---

Approved by: Gil Hunt — 1-27-10

Gil Hunt
Associate Director

Date

GLH/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Eric Sundberg, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File
N:\O&G Reviewed Docs\ChronFile\UIC\Newfield\Monument Butte

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

| 5. LEASE DESIGNATION AND SERIAL NUMBER: |
|---|
| UTAH STATE ML-22061 |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| |
| 7. UNIT or CA AGREEMENT NAME: |
| GMBU |
| 8. WELL NAME and NUMBER: |
| STATE 12-36 |
| 9. API NUMBER: |
| 4301330746 |
| 10. FIELD AND POOL, OR WILDCAT: |
| MONUMENT BUTTE |

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2046 FSL 638 FWL COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSW, 36, T8S, R16E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| [X] NOTICE OF INTENT (Submit in Duplicate) | [ ] ACIDIZE | [ ] DEEPEN | [ ] REPERFORATE CURRENT FORMATION |
| Approximate date work will | [ ] ALTER CASING | [ ] FRACTURE TREAT | [ ] SIDETRACK TO REPAIR WELL |
| 02/09/2010 | [ ] CASING REPAIR | [ ] NEW CONSTRUCTION | [ ] TEMPORARITLY ABANDON |
| | [ ] CHANGE TO PREVIOUS PLANS | [ ] OPERATOR CHANGE | [ ] TUBING REPAIR |
| | [ ] CHANGE TUBING | [ ] PLUG AND ABANDON | [ ] VENT OR FLAIR |
| [ ] SUBSEQUENT REPORT (Submit Original Form Only) | [ ] CHANGE WELL NAME | [ ] PLUG BACK | [ ] WATER DISPOSAL |
| Date of Work Completion: | [ ] CHANGE WELL STATUS | [ ] PRODUCTION (START/STOP) | [ ] WATER SHUT-OFF |
| | [ ] COMMINGLE PRODUCING FORMATIONS | [ ] RECLAMATION OF WELL SITE | [X] OTHER: - Put on Injection |
| | [X] CONVERT WELL TYPE | [ ] RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 5:00 PM on 02-09-2010.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE Lucy Chavez-Naupoto DATE 02/23/2010

(This space for State use only)

RECEIVED
MAR 01 2010
DIV. OF OIL, GAS & MINING

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-22061

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Water Injection Well

**8. WELL NAME and NUMBER:** STATE 12-36

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013307460000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2046 FSL 0638 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWSW Section: 36 Township: 08.0S Range: 16.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/22/2012 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT<br>Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Step Rate Test |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

A step rate test was conducted on the subject well on June 22,2012. Results from the test indicate that the fracture gradient is 0.884 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1818 psi to 2005 psi.

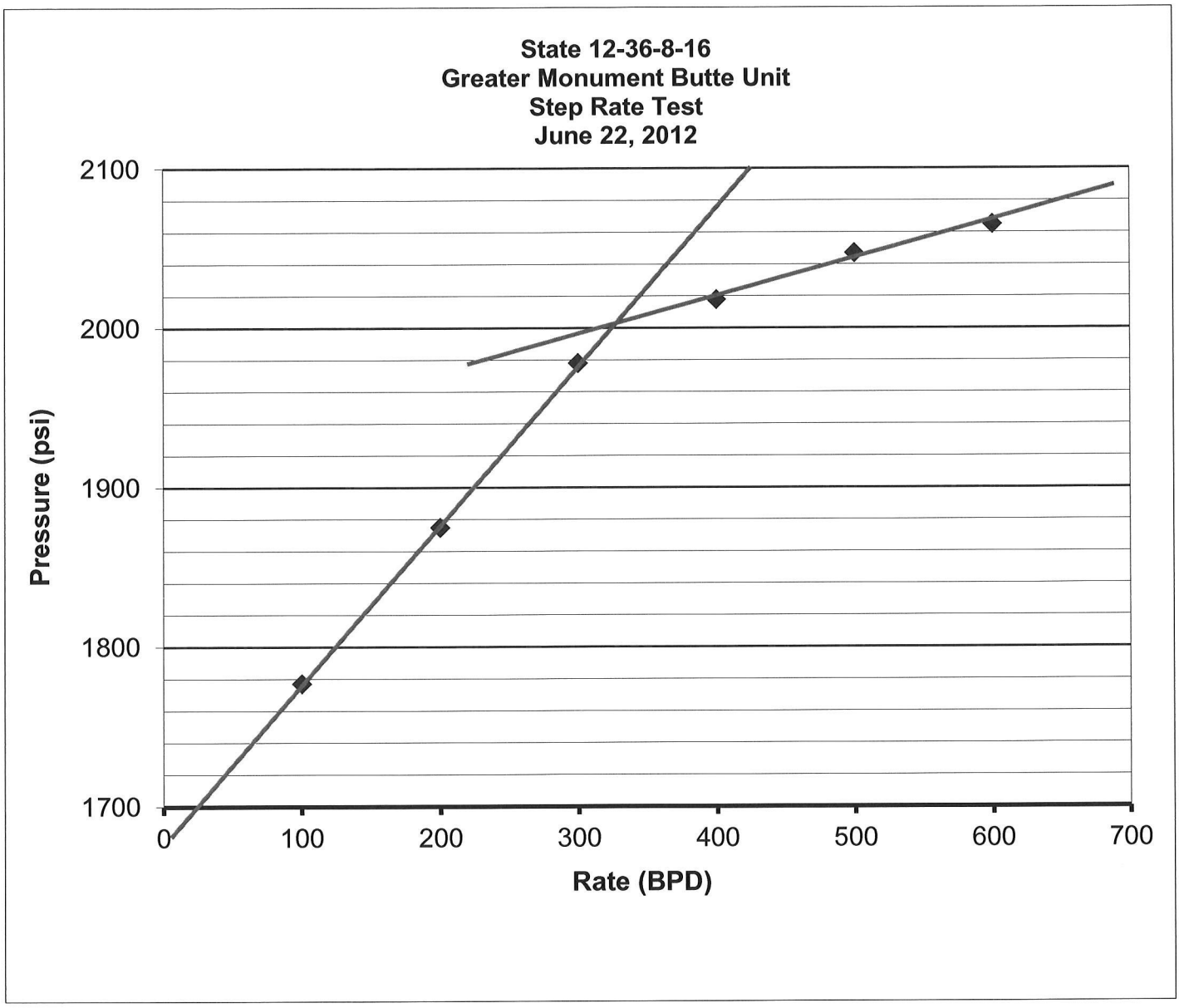
**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** June 28, 2012

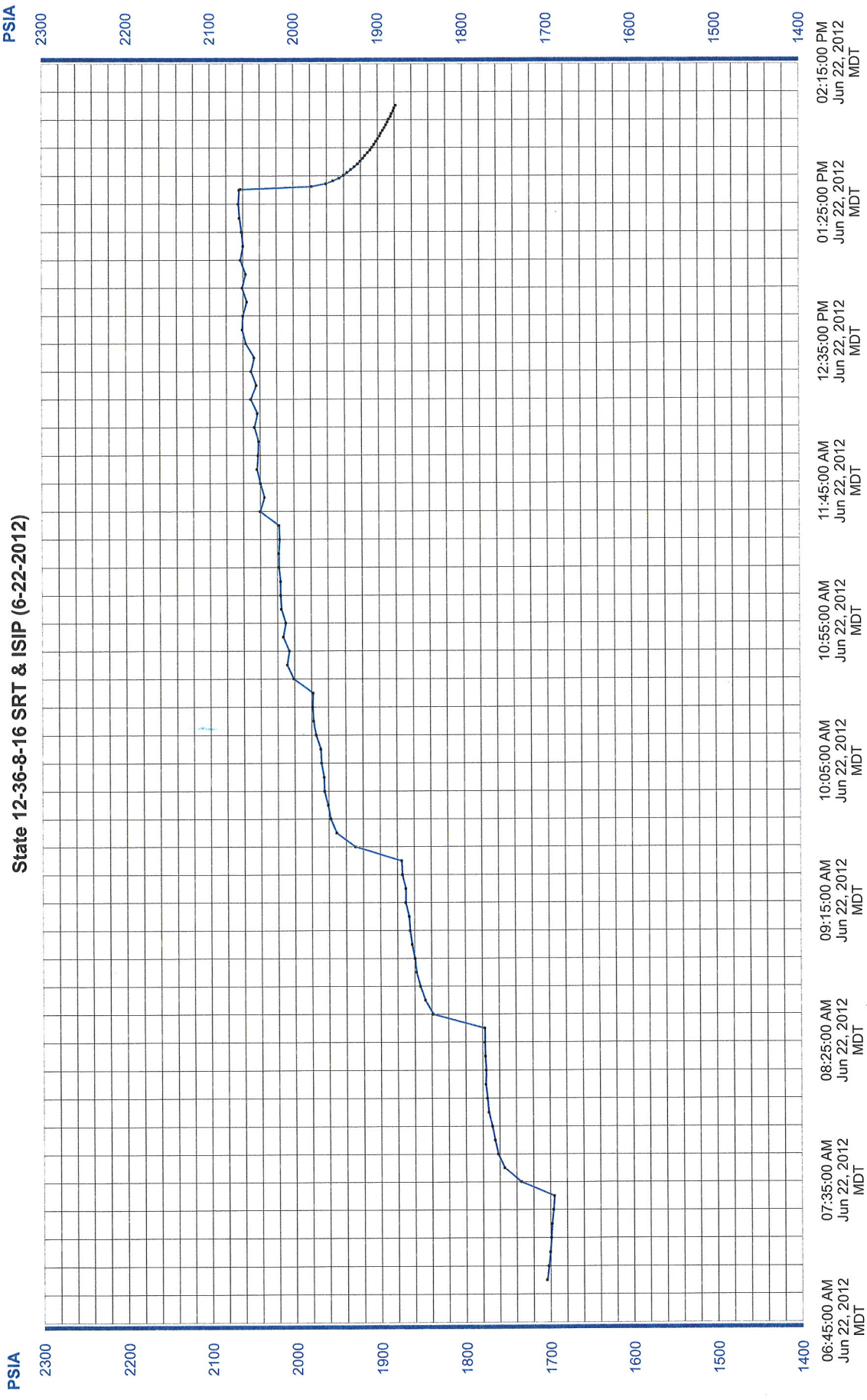
**By:** 

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Lucy Chavez-Naupoto | 435 646-4874 | Water Services Technician |
| **SIGNATURE** N/A | | **DATE** 6/27/2012 |

RECEIVED: Jun. 27, 2012




| | | | Step | Rate(bpd) | Pressure(psi) |
|---|---|---|---|---|---|
| **Start Pressure:** | 1695 | psi | 1 | 100 | 1777 |
| | | | 2 | 200 | 1875 |
| **Top Perforation:** | 4512 | feet | 3 | 300 | 1978 |
| **Fracture pressure (Pfp):** | 2005 | psi | 4 | 400 | 2018 |
| **FG:** | 0.884 | psi/ft | 5 | 500 | 2047 |
| | | | 6 | 600 | 2065 |


State 12-36-8-16 SRT & ISIP (6-22-2012)
PSIA
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
06:45:00 AM Jun 22, 2012 MDT
07:35:00 AM Jun 22, 2012 MDT
08:25:00 AM Jun 22, 2012 MDT
09:15:00 AM Jun 22, 2012 MDT
10:05:00 AM Jun 22, 2012 MDT
10:55:00 AM Jun 22, 2012 MDT
11:45:00 AM Jun 22, 2012 MDT
12:35:00 PM Jun 22, 2012 MDT
01:25:00 PM Jun 22, 2012 MDT
02:15:00 PM Jun 22, 2012 MDT

# Data Table Report

| | |
|---|---|
| Report Name: | PrTemp1000 Data Table |
| Report Date: | 06/25/2012 07:51:06 |
| File Name: | C:\Program Files\PTC® Instruments 2.03.12\ State 12-36-8-16 SRT (6-22-2012).csv |
| Device: | PrTemp1000 - Temperature and Pressure Recorder |
| Hardware Revision: | REV2C (64K) |
| Serial Number: | M75866 |
| Device ID: | PrTemp |
| Data Start Date: | Jun 22, 2012 07:00:00 AM MDT |
| Data End Date: | Jun 22, 2012 01:30:01 PM MDT |
| Reading: | 1 to 79 of 79 |
| Reading Rate: | 2 Seconds |
| Last Calibration Date: | Apr 20, 2012 |
| Next Calibration Date: | Apr 20, 2013 |
| Next Calibration Date: | Apr 20, 2013 |

**State 12-36-8-16 SRT (6-22-2012)**

| Unit Type | (All Units) | |
|---|---|---|
| **Reading** | **DateTime (MDT)** | **Channel 2 PSIA** |
| **1** | Jun 22, 2012 07:00:00 AM | 1704.4 |
| **2** | Jun 22, 2012 07:05:00 AM | 1702.4 |
| **3** | Jun 22, 2012 07:10:00 AM | 1700.4 |
| **4** | Jun 22, 2012 07:15:00 AM | 1699.2 |
| **5** | Jun 22, 2012 07:20:01 AM | 1698.2 |
| **6** | Jun 22, 2012 07:25:00 AM | 1696.6 |
| **7** | Jun 22, 2012 07:30:01 AM | 1695.4 |
| **8** | Jun 22, 2012 07:35:00 AM | 1734 |
| **9** | Jun 22, 2012 07:40:01 AM | 1754.2 |
| **10** | Jun 22, 2012 07:45:00 AM | 1762 |
| **11** | Jun 22, 2012 07:50:00 AM | 1765.6 |
| **12** | Jun 22, 2012 07:55:00 AM | 1768.8 |
| **13** | Jun 22, 2012 08:00:00 AM | 1773 |
| **14** | Jun 22, 2012 08:05:01 AM | 1774.6 |
| **15** | Jun 22, 2012 08:10:00 AM | 1776.4 |
| **16** | Jun 22, 2012 08:15:01 AM | 1776 |
| **17** | Jun 22, 2012 08:20:00 AM | 1776.8 |
| **18** | Jun 22, 2012 08:25:01 AM | 1777.4 |
| **19** | Jun 22, 2012 08:30:00 AM | 1777.2 |
| **20** | Jun 22, 2012 08:35:00 AM | 1838.2 |
| **21** | Jun 22, 2012 08:40:00 AM | 1847.6 |
| **22** | Jun 22, 2012 08:45:00 AM | 1853.4 |
| **23** | Jun 22, 2012 08:50:01 AM | 1858 |
| **24** | Jun 22, 2012 08:55:00 AM | 1859.8 |
| **25** | Jun 22, 2012 09:00:01 AM | 1863 |
| **26** | Jun 22, 2012 09:05:00 AM | 1865.4 |
| **27** | Jun 22, 2012 09:10:01 AM | 1866.4 |
| **28** | Jun 22, 2012 09:15:00 AM | 1870.4 |
| **29** | Jun 22, 2012 09:20:00 AM | 1870.2 |
| **30** | Jun 22, 2012 09:25:00 AM | 1874.2 |
| **31** | Jun 22, 2012 09:30:00 AM | 1875 |
| **32** | Jun 22, 2012 09:35:00 AM | 1929 |
| **33** | Jun 22, 2012 09:40:00 AM | 1951 |
| **34** | Jun 22, 2012 09:45:01 AM | 1958 |
| **35** | Jun 22, 2012 09:50:00 AM | 1961 |
| **36** | Jun 22, 2012 09:55:01 AM | 1965.4 |
| **37** | Jun 22, 2012 10:00:00 AM | 1965.8 |
| **38** | Jun 22, 2012 10:05:00 AM | 1968.8 |

**State 12-36-8-16 SRT (6-22-2012)**

| Unit Type<br>**Reading** | (All Units)<br>**DateTime (MDT)** | **Channel 2**<br>**PSIA** |
|---|---|---|
| **39** | Jun 22, 2012 10:10:00 AM | 1969.6 |
| **40** | Jun 22, 2012 10:15:00 AM | 1975 |
| **41** | Jun 22, 2012 10:20:01 AM | 1978 |
| **42** | Jun 22, 2012 10:25:00 AM | 1979 |
| **43** | Jun 22, 2012 10:30:01 AM | 1978.4 |
| **44** | Jun 22, 2012 10:35:00 AM | 2001.2 |
| **45** | Jun 22, 2012 10:40:01 AM | 2009 |
| **46** | Jun 22, 2012 10:45:00 AM | 2006.4 |
| **47** | Jun 22, 2012 10:50:00 AM | 2013.6 |
| **48** | Jun 22, 2012 10:55:00 AM | 2010.6 |
| **49** | Jun 22, 2012 11:00:00 AM | 2015.8 |
| **50** | Jun 22, 2012 11:05:01 AM | 2016.6 |
| **51** | Jun 22, 2012 11:10:00 AM | 2016.6 |
| **52** | Jun 22, 2012 11:15:01 AM | 2018.4 |
| **53** | Jun 22, 2012 11:20:00 AM | 2018.6 |
| **54** | Jun 22, 2012 11:25:01 AM | 2017.6 |
| **55** | Jun 22, 2012 11:30:00 AM | 2018.2 |
| **56** | Jun 22, 2012 11:35:00 AM | 2040.4 |
| **57** | Jun 22, 2012 11:40:00 AM | 2035.2 |
| **58** | Jun 22, 2012 11:45:00 AM | 2040 |
| **59** | Jun 22, 2012 11:50:01 AM | 2044 |
| **60** | Jun 22, 2012 11:55:00 AM | 2042.8 |
| **61** | Jun 22, 2012 12:00:01 PM | 2042 |
| **62** | Jun 22, 2012 12:05:00 PM | 2047 |
| **63** | Jun 22, 2012 12:10:01 PM | 2043.4 |
| **64** | Jun 22, 2012 12:15:00 PM | 2051.2 |
| **65** | Jun 22, 2012 12:20:00 PM | 2044.6 |
| **66** | Jun 22, 2012 12:25:00 PM | 2050.8 |
| **67** | Jun 22, 2012 12:30:00 PM | 2047 |
| **68** | Jun 22, 2012 12:35:01 PM | 2057.2 |
| **69** | Jun 22, 2012 12:40:00 PM | 2061.2 |
| **70** | Jun 22, 2012 12:45:01 PM | 2060.4 |
| **71** | Jun 22, 2012 12:50:00 PM | 2055.6 |
| **72** | Jun 22, 2012 12:55:01 PM | 2061.2 |
| **73** | Jun 22, 2012 01:00:00 PM | 2057 |
| **74** | Jun 22, 2012 01:05:00 PM | 2063.2 |
| **75** | Jun 22, 2012 01:10:00 PM | 2060 |
| **76** | Jun 22, 2012 01:15:00 PM | 2061.8 |
| **77** | Jun 22, 2012 01:20:01 PM | 2064.2 |
| **78** | Jun 22, 2012 01:25:00 PM | 2065.6 |
| **79** | Jun 22, 2012 01:30:01 PM | 2064.6 |

End of Report

# Data Table Report

| | |
|---|---|
| Report Name: | PrTemp1000 Data Table |
| Report Date: | 06/25/2012 07:51:18 |
| File Name: | C:\Program Files\PTC® Instruments 2.03.12\ State 12-36-8-16 ISIP (6-22-2012).csv |
| Device: | PrTemp1000 - Temperature and Pressure Recorder |
| Hardware Revision: | REV2C (64K) |
| Serial Number: | M75866 |
| Device ID: | PrTemp |
| Data Start Date: | Jun 22, 2012 01:30:13 PM MDT |
| Data End Date: | Jun 22, 2012 02:00:14 PM MDT |
| Reading: | 1 to 31 of 31 |
| Reading Rate: | 2 Seconds |
| Last Calibration Date: | Apr 20, 2012 |
| Next Calibration Date: | Apr 20, 2013 |
| Next Calibration Date: | Apr 20, 2013 |

**State 12-36-8-16 ISIP (6-22-2012)**

| Unit Type | (All Units) | |
|---|---|---|
| **Reading** | **DateTime (MDT)** | **Channel 2 PSIA** |
| **1** | Jun 22, 2012 01:30:13 PM | 2062.8 |
| **2** | Jun 22, 2012 01:31:14 PM | 1978.2 |
| **3** | Jun 22, 2012 01:32:13 PM | 1961 |
| **4** | Jun 22, 2012 01:33:13 PM | 1952.8 |
| **5** | Jun 22, 2012 01:34:14 PM | 1945.4 |
| **6** | Jun 22, 2012 01:35:13 PM | 1940.2 |
| **7** | Jun 22, 2012 01:36:13 PM | 1935.8 |
| **8** | Jun 22, 2012 01:37:14 PM | 1931.4 |
| **9** | Jun 22, 2012 01:38:14 PM | 1927.4 |
| **10** | Jun 22, 2012 01:39:13 PM | 1923.6 |
| **11** | Jun 22, 2012 01:40:14 PM | 1920.4 |
| **12** | Jun 22, 2012 01:41:14 PM | 1917.4 |
| **13** | Jun 22, 2012 01:42:13 PM | 1915 |
| **14** | Jun 22, 2012 01:43:14 PM | 1911.8 |
| **15** | Jun 22, 2012 01:44:14 PM | 1908.8 |
| **16** | Jun 22, 2012 01:45:12 PM | 1906.6 |
| **17** | Jun 22, 2012 01:46:13 PM | 1904.2 |
| **18** | Jun 22, 2012 01:47:15 PM | 1902 |
| **19** | Jun 22, 2012 01:48:13 PM | 1899.8 |
| **20** | Jun 22, 2012 01:49:13 PM | 1897.6 |
| **21** | Jun 22, 2012 01:50:14 PM | 1896.2 |
| **22** | Jun 22, 2012 01:51:13 PM | 1893.8 |
| **23** | Jun 22, 2012 01:52:13 PM | 1891.8 |
| **24** | Jun 22, 2012 01:53:14 PM | 1890 |
| **25** | Jun 22, 2012 01:54:14 PM | 1888.2 |
| **26** | Jun 22, 2012 01:55:13 PM | 1886.8 |
| **27** | Jun 22, 2012 01:56:14 PM | 1884.4 |
| **28** | Jun 22, 2012 01:57:14 PM | 1883.4 |
| **29** | Jun 22, 2012 01:58:13 PM | 1881.4 |
| **30** | Jun 22, 2012 01:59:13 PM | 1880.4 |
| **31** | Jun 22, 2012 02:00:14 PM | 1878.4 |

End of Report

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-22061

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Water Injection Well

**8. WELL NAME and NUMBER:** STATE 12-36

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013307460000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2046 FSL 0638 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWSW Section: 36 Township: 08.0S Range: 16.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/4/2013 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT<br>Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ✓ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: MIT |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

The above subject well had workover procedures performed (tubing leak), attached is a daily status report. On 06/03/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/04/2013 the csg was pressured up to 1610 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1310 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
June 06, 2013

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Lucy Chavez-Naupoto | 435 646-4874 | Water Services Technician |
| **SIGNATURE** N/A | | **DATE** 6/6/2013 |

# Mechanical Integrity Test
# Casing or Annulus Pressure Test

**Newfield Production Company**
**Rt. 3 Box 3630**
**Myton, UT 84052**
**435-646-3721**

**Witness:** Chris Jensen **Date** 6/4/2013 **Time** 9:15 (am) pm
**Test Conducted by:** Don Trane
**Others Present:**

**Well:** State **Field:** Greater Mon. Butte
**Well Location:** 12-36-8-16 **API No:** 43-013-30746

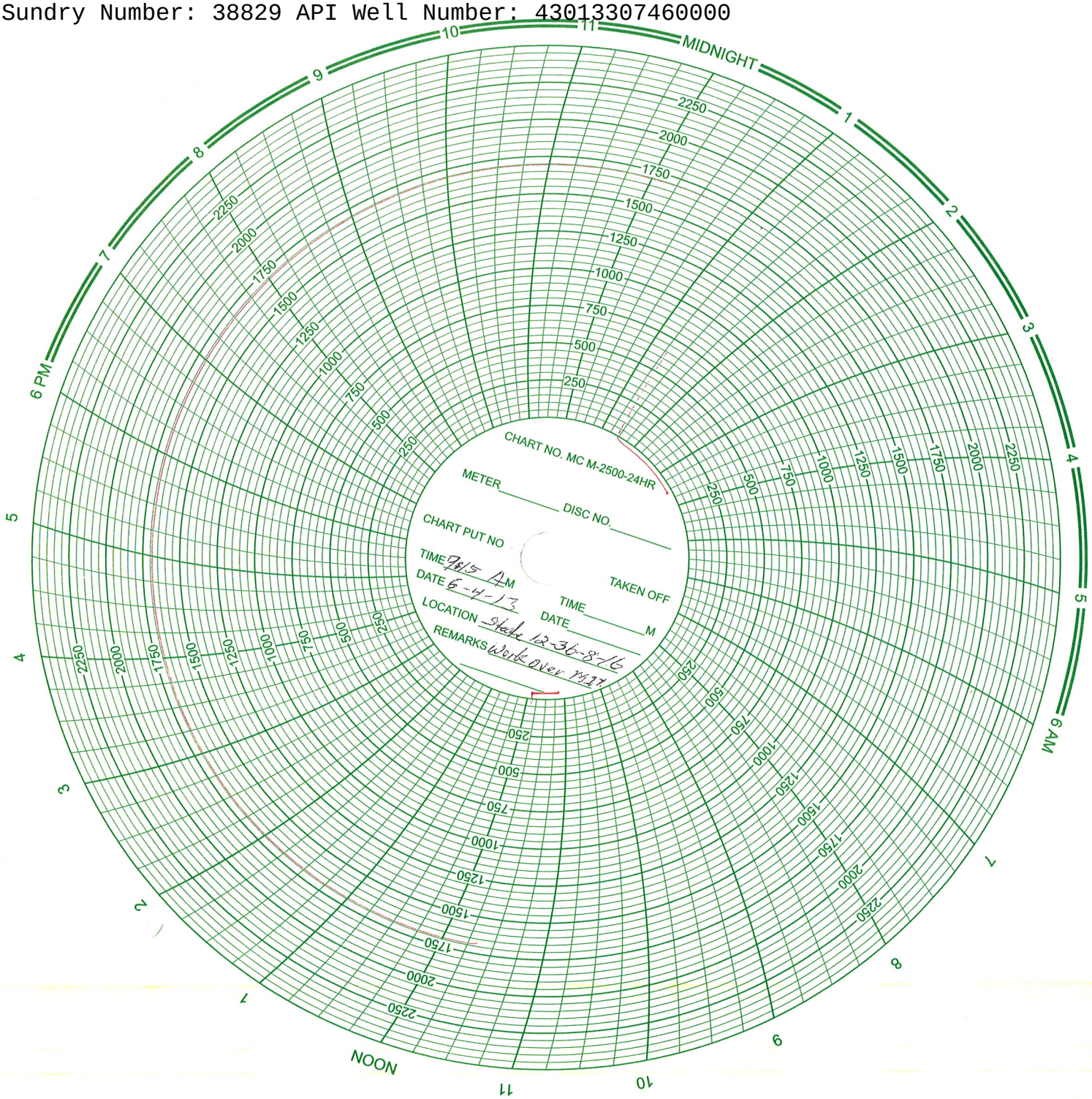
| Time | Casing Pressure | |
|---|---|---|
| 0 min | 1610 | psig |
| 5 | 1610 | psig |
| 10 | 1610 | psig |
| 15 | 1610 | psig |
| 20 | 1610 | psig |
| 25 | 1610 | psig |
| 30 min | 1610 | psig |
| 35 | | psig |
| 40 | | psig |
| 45 | | psig |
| 50 | | psig |
| 55 | | psig |
| 60 min | | psig |

**Tubing pressure:** 1310 psig

**Result:** Pass Fail

**Signature of Witness:** Chris Jensen
**Signature of Person Conducting Test:** Don Trane

Sundry Number: 38829 API Well Number: 43013307460000



# Daily Activity Report

**Format For Sundry**

## STATE 12-36-8-16

**3/1/2013 To 7/30/2013**

**5/28/2013 Day: 1** **Tubing Leak**

Nabors #1450 on 5/28/2013 - MIRU flowback well check psi, csg 1600psi TBG-1600open up csg to flowback tank waut on dead men to be pulled tested - MIRU flowback well check psi, csg 1600psi TBG-1600open up csg to flowback tank waut on dead men to be pulled tested had to use backhoe to set one deadnan were finished @1:30PM flowed back to 3:30 called back flowback hand SDFN flowed back 180 BW
**Daily Cost:** $0
**Cumulative Cost:** $16,267

---

**5/30/2013 Day: 2** **Tubing Leak**

Nabors #1450 on 5/30/2013 - rig up, derick inspection nd wellhead and unset packer, nipple up BOPS Ru floor, Flush 40 bbls @250*F, 10 bbls cold drop SV pump 30 bbls to flush sv - rig up, derick inspection nd wellhead and unset packer, nipple up BOPS Ru floor, Flush 40 bbls @250*F, 10 bbls cold drop SV pump 30 bbls to flush sv, sv wouldn?t do down, tag standing valve and seat nipple with sandline POOH with sand line, test tubing to 3000 psi no test rih with sand line tag Sv, pack off to test to 5000psi no test couldn?t catch pressure, pooh with sandline.POOH with tubing hole in joint #2 cut. Lay down top 5 jointws pick up 5 new joints rih and test to 3000psi good test. Rih with sand line and fish sv, rd lubercator. Pooh production string 40 joints, clean up.swifn.
**Daily Cost:** $0
**Cumulative Cost:** $24,172

---

**5/31/2013 Day: 3** **Tubing Leak**

Nabors #1450 on 5/31/2013 - POOH, production string 138JTS packer, pu bha, make up on off tool and packer rih with138jts 2 7/8tubing. Pump 40bw @ 250* - POOH, production string 138JTS packer, pu bha, make up on off tool and packer rih with138jts 2 7/8tubing. Pump 40bw @ 250*, 20bw cold W/hot oil to flush, drops and pressure test tubing to 3000psi. Held with 0 bleed off for 30 min. fish sv with sandline. Nd floor, nipple down BOPS nu well head. Circulate packer fluid with hot oil, pump 75 bw of fresh water, nd well head and set packer @18000 tension nu 3k injection tree 1338296. pressure test against packer 200psi with hot oiler, siwfn
**Daily Cost:** $0
**Cumulative Cost:** $31,467

---

**6/3/2013 Day: 4** **Tubing Leak**

Nabors #1450 on 6/3/2013 - Pressuer against packer down casing W/HO. Test @1550 for 60 minutes on casing tubong @ 1150 with no change, 0 bleed off, clean up location, couldn?t rig down in wind,swifwe. - Pressuer against packer down casing W/HO. Test @1550 for 60 minutes on casing tubong @ 1150 with no change, 0 bleed off, clean up location, couldn?t rig down in wind,swifwe.
**Daily Cost:** $0
**Cumulative Cost:** $34,316

**6/5/2013 Day: 5** **Tubing Leak**

Rigless on 6/5/2013 - Conduct MIT - On06/03/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/04/2013 the csg was pressured up to 1610 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1310 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**
**Daily Cost:** $0
**Cumulative Cost:** $35,216

**Pertinent Files:** Go to File List

# Monument Butte State12-36-8-16

Spud Date: 9/4/1983

Put on Production: 10/20/1983

GL: 5505' KB: 5515'

Initial Production: 45 BOPD, 202 MCFD, 3 BWPD

Injection Wellbore Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts.

DEPTH LANDED: 296' GL

HOLE SIZE:12-1/4"

CEMENT DATA: 210 sxs Class "G" cmt.

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

DEPTH LANDED: 5700'

HOLE SIZE: 7-7/8"

CEMENT DATA: 400 sxs Class "G"

EST. CEMENT TOP AT: 3040 per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 136 jts (4449.3')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4459.3' KB

ON/OFF TOOL AT: 4460.4'

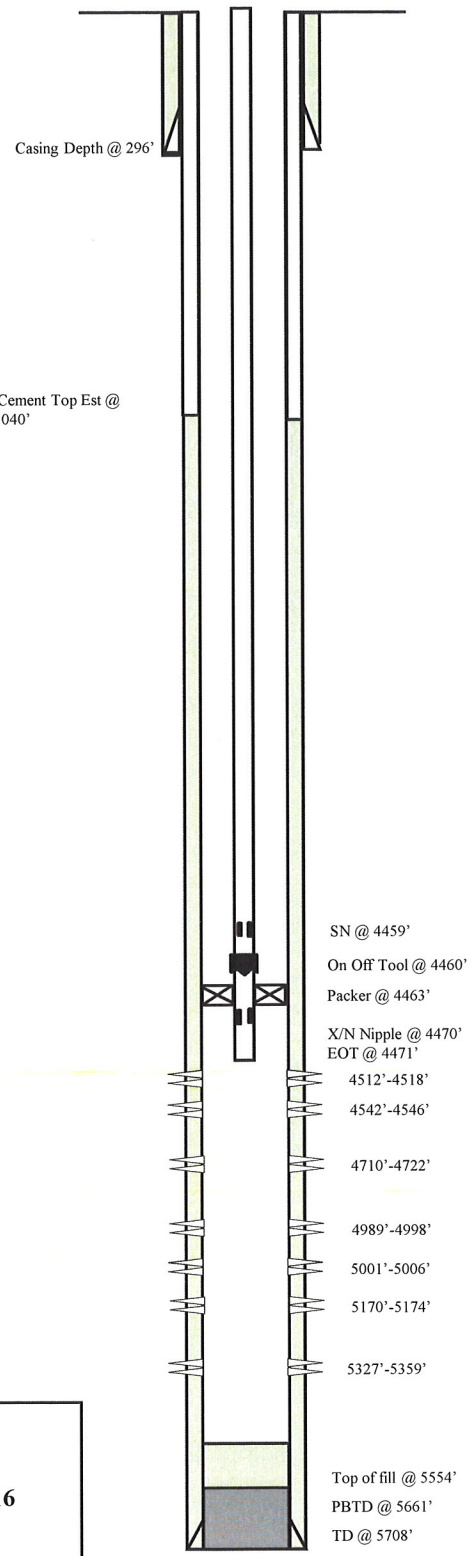
ARROW #1 PACKER CE AT: 4463'

XO 2-3/8 x 2-7/8 J-55 AT: 4465.5'

TBG PUP 2-3/8 J-55 AT: 4466'

X/N NIPPLE AT: 4470.2'

TOTAL STRING LENGTH: EOT @ 4471.47'




## FRAC JOB

| | | |
|---|---|---|
| 11/29/83 | 5327'-5359' | **Frac B-2 sand as follows:** 53,800# 20/40 sand in 971 bbls 5% KCl fluid. Treated @ avg press of 2630 psi w/avg rate of 30 BPM. ISIP 2700 psi. |
| 10/09/83 | 4989'-5006' | **Frac D-1 sand as follows:** 82,000# 20/40 sand in 583 bbls 5% KCl fluid. Treated @ avg press of 1700 psi w/avg rate of 25 BPM. ISIP 1850 psi. |
| 1/7/02 | 5327'-5359' | **Frac B-2 sand as follows:** 33,092# 20/40 sand in 393 bbls Viking I-25 fluid. Treated @ avg press of 4500 psi w/avg rate of 7 BPM. ISIP 6000 psi. Screened out. |
| 1/7/02 | 5170'-5174' | **Frac C-SD sand as follows:** 17,000# 20/40 sand in 116 bbls Viking I-25 fluid. Treated @ avg press of 2900 psi w/avg rate of 5 BPM. ISIP 5180 psi. Screened out. |
| 1/8/02 | 4710'-4722' | **Frac PB-10 sand as follows:** 32,500# 20/40 sand in 310 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 2490 psi. Cal. flush: 4710 gal, Act. flush: 4620 gal. |
| 1/8/02 | 4512'-4546' | **Frac GB sand as follows:** 33,000# 20/40 sand in 302 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 2250 psi. Cal. flush: 4512 gal, Act. flush: 4410 gal. |
| 10/8/07 | | **Pump change**. Updated rod & tubing details. |
| 06/02/09 | | **Converted well in Injection**, update tbg detail |
| 06/04/09 | | **MIT completed** |
| **06/04/13** | | **Workover MIT complete – Tubing Leak** – update tbg detail |

## PERFORATION RECORD

| | | | |
|---|---|---|---|
| 09/28/83 | 5327'-5359' | 1 SPF | 32 holes |
| 10/08/83 | 4989'-4998' | 1 SPF | 10 holes |
| 10/08/83 | 5001'-5006' | 1 SPF | 06 holes |
| 10/29/90 | 5327'-5359' | 3 SPF | 96 holes |
| 01/03/02 | 5170'-5174' | 4 SPF | 16 holes |
| 01/03/02 | 4710'-4722' | 4 SPF | 48 holes |
| 01/08/02 | 4512'-4518' | 4 SPF | 24 holes |
| 01/08/02 | 4542'-4546' | 4 SPF | 16 holes |

NEWFIELD

**Monument Butte State 12-36-8-16**

638' FWL & 2046' FSL

NWSW Section 36-T8S-R16E

Duchesne Co, Utah

API #43-013-30746; Lease #ML-22061

LCN 06/06/13

Recd. 7/23/85

**LOMAX EXPLORATION COMPANY**

**Application for Approval of Class II**

**Injection Wells**

Monument Butte State #5-36
Monument Butte State #12-36

## RULE 1-5 APPLICATION FOR APPROVAL OF CLASS II INJECTION WELLS

a) Each application for the approval of a newly drilled or newly converted Class II Injection Well shall be filed on Form DOGM-UIC-1. The original and six (6) copies of the application and three complete sets of attachments shall be furnished to the Board.

**Answer:**

Form DOGM-UIC-1 is attached as Exhibit A & Exhibit B.

b) The application for the approval of Class II Injection Well(s) shall be accompanied by:

(1) A plat showing the location and total depth of the following wells: The Class II Injection Well, each water well(s), each abandoned, producing or drilling well, and dry hole, within one-half mile of the class II injection well. The plat must identify the surface owner(s) of the land within one-half mile of the Class II Injection Well, and each operator of a producing leasehold within one-half mile of each Class II Injection Well. Only wells of available public record are required to be included on the plat.

**Answer:**

See Exhibits C1, C2 & D. There is no known source of potable water within one-half mile of either well.

(2) A copy of the notice of completion Form DOGM-UIC-2, and if required by the Board and/or Director:

(1) for a surface casing intended to protect underground sources of drinking water: resistivity, spontaneous potential, and caliper logs; and a cement bond, temperature, or density log after the casing is set and cemented.

(ii) For intermediate and long strings of casing intended to facilitate injection: resistivity, spontaneous potential, porosity, and gamma ray logs before the casing is installed; fracture finder logs, and a cement bond, temperature or density log after the casing is set and cemented.

**Answer:**

Previously submitted ✓ Completion Reports.

Three copies of the 1) Compensated Neutron-Density, 2) Dual Laterlog, 3) Gamma Ray, and 4) Cement bond log for each well are attached.

(3) A schematic diagram of the Class II well showing:

i the total depth or plug-back depth of the well;

ii the depth of the injection or disposal interval;

iii the geological name of the injection or disposal zone;

iv the depth of the tops and bottoms of the casing and cement;

v the size of the casing and tubing, and the depth of the packer;

vi an assessment of the presently existing cement bond between the casing and formation;

vii the location of bottom hole.

**Answer:**

Shown on Exhibits ✓ E & ✓ F.

(4) Information showing that injection into the proposed zone will not initiate fractures through the confining strata which could enable the injection fluid or formation fluid to enter a USDW.

i The Board may approve injection provided a finding is made from data, the applicant is required to furnish, and affidavits supporting the validity of such information.

**Answer:**

Frac gradients for the two wells are as follows:

| | |
|---|---|
| MBS #5-36 | 0.79 |
| MBS #13-36 | 0.80 |

An affidavit indicating these gradients is attached as Exhibit G. These gradients were obtained from frac jobs previously conducted by Haliburton.

| | 5-36 | 12-36 |
|---|---|---|
| Frac Gradient | .79 | .80 |
| Frac Pressure (bottom) | 3943 | 3991 |
| Frac Pressure (surface) | 1782 | 1831 |

Maximum surface pressure requested is 1800 psig for the MBS #12-36 and 1750 psig for the MBS #5-36. High pressure shut down devices and relief valves will be operated at or below these levels to insure fracture will not be exceeded.

ii The applicant is required to provide data including the maximum injection rate, maximum surface injection pressure, injection fluid and the lithology and rock properties of the injection zone and confining strata. The applicant's data must demonstrate that the proposed maximum surface injection pressure combined with the pressure of the well's hydrostatic head above the injection zone results in a pressure at the injection zone which is less than that pressure which could initiate fractures in the confining strata and enable the injection fluid or the formation fluid to enter a USDW.

**Answer:**

Maximum Injection Rate 1000 BPD
Maximum Injection Pressure 1750 psig (#5-36)
Maximum Injection Pressure 1800 psig (#12-36)
Injection Fluid: Surface water (see attached Exhibit H for fluid properties)

The injection zone is composed of porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular.

The confining stratum directly above and below the injection zone is composed of tight, moderately calcareous sandy lacustrine shales. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

(5) Proposed operating data:

i design injection rates and pressures and a procedure for controlling injection rates and pressures such as a relief valve, regulator, or other pressure control device.

**Answer:**

The water shall be injected via triplex pumps powered by natural gas engines. The injection rate shall be controlled by the sheaving on the pump and engine as well as flow control valves and RPM adjustments of the engine. High pressure and low pressure gauges shall be wired into the engine's ignition system in order to shut down the injection operations should the system develop a problem. A relief valve shall also be included in the discharge line which would relieve the injection water back into the storage facilities.

ii geologic name, depth, and location of injection fluid source;

**Answer:**

The source of the injected water will initially be an artesian spring located in the SE/4 Sec.15, T4S, R2W. When an appreciable amount of produced water is availble it shall also be reinjected.

iii qualitative and quantitative analysis of representative sample of water to be injected;

**Answer:**

Shown on Exhibit H.

iv appropriate geological data on the injection zone and confining zones including the lithologic description, geologic name, thickness, depth, and lateral extent;

**Answer:**

The injection zone is the Douglas Creek member of the Green River Formation. The Douglas Creek is composed of porous and permeable lenticular

calcareous sandstones and low porosity carbonates and calcareous shales. At the #12-36 Monument Butte location, the injection zone is 12' thick with the top at 4989'. At the #5-36 Monument Butte location, the injection zone is 13' thick with the top at 4992'. The porous and permeable lenticular sandstones vary in thickness from 0' to 36' and are confined to the Monument Butte Field by low porosity calcareous shales and carbonates. Outside the field, the sandstones are composed of tight, very fine, silty, calcareous sandstones less than 3' thick.

The confining stratum directly above and below the injection zone is the Douglas Creek member of the Green River Formation, with it's top at 4956' in the #12-36 and 4964' in the #5-36. The strata confining the injection zone is composed of tight, moderately calcareous sandy lacustrine shales. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

v the geologic name, lateral extent, and depth to the top and bottom of all underground sources of drinking water which may be affected by the injection;

**Answer:**

There are no known sources of drinking water within one-half mile of either of the proposed injection wells.

vi qualitative analysis of injection formation water on basis for exemption under Rule 1-5(C).

**Answer:**

A qualitative analysis of the Green River formation waters is shown in Exhibit I. Presently this formation does not serve as a source of drinking water. It is not anticipated to serve as a source of drinking water in the future due to the commercially producible hydrocarbons contained within the reservoir.

(6) Contingency plan to cope with all shut-ins or well failures so as to prevent migration of polluting fluids into any underground source of drinking water.

Answer:

The injection system will be equipped with high and low pressure shut-down devices which will automatically shut-in injection waters if a system blockage or leakage occurs. One way check valves will also insure proper flow management. Relief valves will also be utilized for high pressure relief.

(7) The results of any formation testing programs.

Answer:

Injectivity tests will be conducted as the wells are coverted. At the present time both wells are being produced.

(8) A description of the mechanical intergrity test, the actual injection procedure and notification to the Division of the date and time of test to provide the Division the opportunity to monitor the test.

Answer:

The casing outside the tubing shall be tested to a pressure greater than the maximum injection pressure (1800 psig). The division will be notified of the date and time of the test.

(9) For new wells, the status of corrective action on defective wells in the area of review.

Answer:

This does not apply to our application.

(10) Any other additional information which the Board shall determine is necessary in order to adequately review the application.

Answer:

Lomax Exploration will await review of this application and additional information will be submitted if required.

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
(Revised 1983)

IN THE MATTER OF THE APPLICATION OF
LOMAX EXPLORATION COMPANY
ADDRESS 333 North Belt East, Suite 880
Houston, Texas ZIP 77060
INDIVIDUAL ___ PARTNERSHIP ___ CORPORATION XX
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE 12-36 MBS WELL
SEC. 36 TWP. 8S RANGE 16E
Duchesne COUNTY, UTAH

CAUSE NO. _____

| | |
|---|---|
| ENHANCED RECOVERY INJ. WELL | XX |
| DISPOSAL WELL | ☐ |
| LP GAS STORAGE | ☐ |
| EXISTING WELL (RULE I-4) | ☐ |

| Lease Name | Well No. | Field | County |
|---|---|---|---|
| Monument Butte State | 12-36 | Monument Butte | Duchesne |

Location of Enhanced Recovery Injection or Disposal Well 638' FWL & 2046' FSL Sec. 36 Twp. 8S Rge. 16E

| New Well To Be Drilled | Old Well To Be Converted | Casing Test |
|---|---|---|
| Yes ☐ No ☒ | Yes ☒ No ☐ | Yes ☒ No ☐ Date When converted |

| Depth-Base Lowest Known Fresh Water Within ½ Mile | Does Injection Zone Contain Oil-Gas-Fresh Water Within ½ Mile | State What |
|---|---|---|
| None | YES ☒ NO ☐ | Oil & Gas |

| Location of Injection Source(s) | Geologic Name(s) and Depth of Source(s) |
|---|---|
| SE/4 Sec. 15, T4S, R2W | Surface - Artesian Spring |

| Geologic Name of Injection Zone | Depth of Injection Interval |
|---|---|
| Green River | 4989 to 5006 |

| a. Top of the Perforated Interval: | b. Base of Fresh Water: | c. Intervening Thickness (a minus b) |
|---|---|---|
| 4989 | 0 | 4989 |

Is the intervening thickness sufficient to show fresh water will be protected without additional data? **YES ** XXX

Lithology of Intervening Zones Sandstone, Siltstone, Shales, Limestones, Dolomite

Injection Rates and Pressures
Maximum 1,000 B/D
1,800 PSI (surface)

The Names and Addresses of Those to Whom Notice of Application Should be Sent.
See attached Exhibit D

_____
Name and Title of Representative of Company

Date: _____, 19 ____

EXHIBIT B

(OVER)

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
(Revised 1983)

IN THE MATTER OF THE APPLICATION OF
LOMAX EXPLORATION COMPANY
ADDRESS 333 North Belt East, Suite 880
Houston, Texas ZIP 77060
INDIVIDUAL ___ PARTNERSHIP ___ CORPORATION XX
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE 5-36 MBS WELL
SEC. 36 TWP. 8S RANGE 16E
Duchesne COUNTY, UTAH

CAUSE NO. _____

| | |
|---|---|
| ENHANCED RECOVERY INJ. WELL | XX |
| DISPOSAL WELL | ☐ |
| LP GAS STORAGE | ☐ |
| EXISTING WELL (RULE I-4) | ☐ |

| Lease Name | Well No. | Field | County |
|---|---|---|---|
| Monument Butte State | 5-36 | Monument Butte | Duchesne |

Location of Enhanced Recovery Injection or Disposal Well 1818'FNL & 723'FWL Sec. 36 Twp. 8S Rge. 16E

| New Well To Be Drilled | Old Well To Be Converted | Casing Test |
|---|---|---|
| Yes ☐ No XX | Yes XX No ☐ | Yes XX No ☐ Date When converted |

| Depth-Base Lowest Known Fresh Water Within ½ Mile | Does Injection Zone Contain Oil-Gas-Fresh Water Within ½ Mile | State What |
|---|---|---|
| None | YES XX NO ☐ | Oil & Gas |

| Location of Injection Source(s) | Geologic Name(s) and Depth of Source(s) |
|---|---|
| SE/4 Sec.15, T4S, R2W | Surface - Artesian Spring |

| Geologic Name of Injection Zone | Depth of Injection Interval |
|---|---|
| Green River | 4991 to 5008 |

| a. Top of the Perforated Interval: | b. Base of Fresh Water: | c. Intervening Thickness (a minus b) |
|---|---|---|
| 4991 | 0 | 4991 |

Is the intervening thickness sufficient to show fresh water will be protected without additional data? ** YES ** XNOx

Lithology of Intervening Zones: Sandstone, Siltstone, Shales, Limestone, Dolomite

Injection Rates and Pressures
Maximum 1,000 B/D
1,750 PSI (surface)

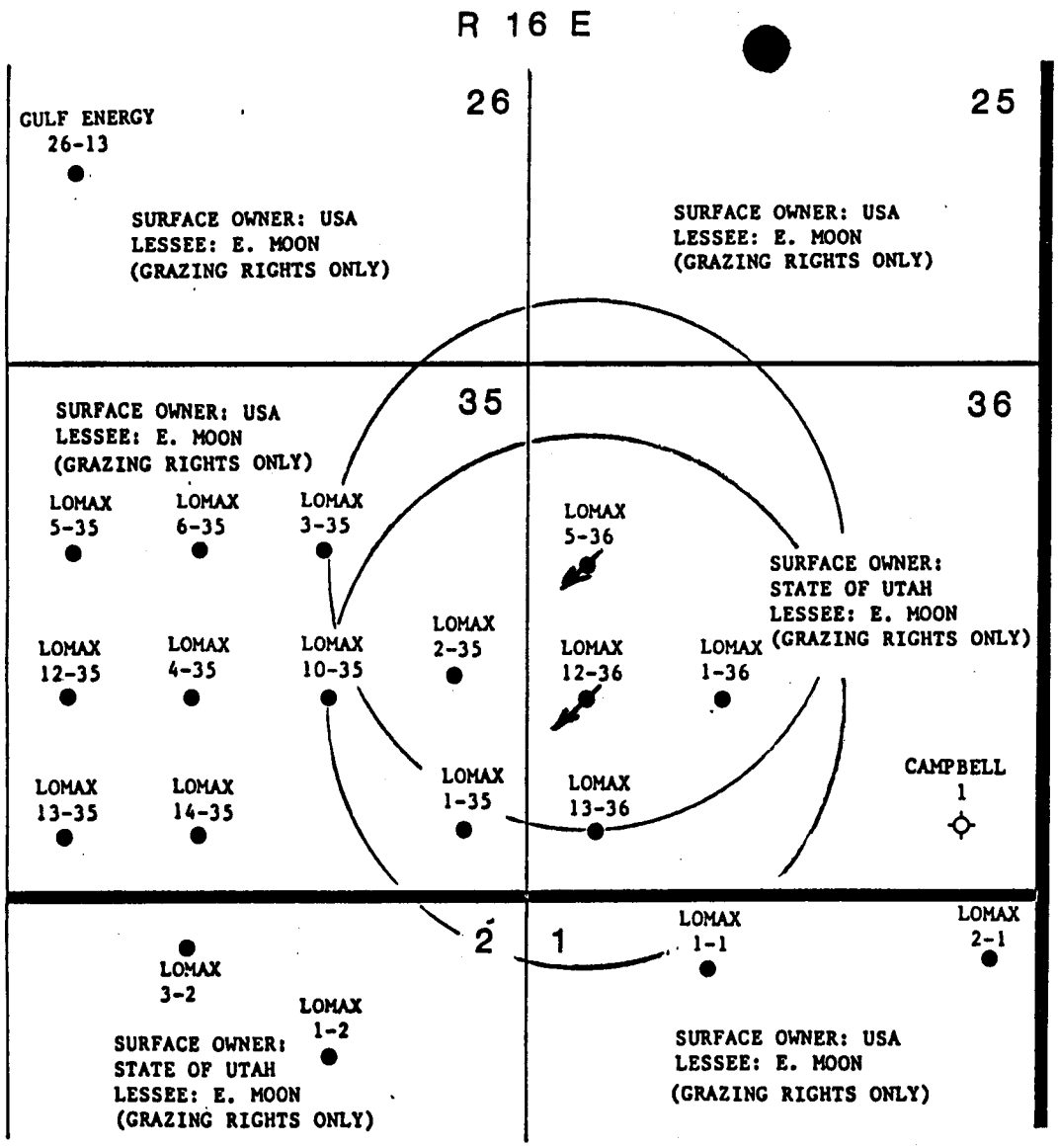
The Names and Addresses of Those to Whom Notice of Application Should be Sent.
See attached Exhibit D

_____
Name and Title of Representative of Company

Date: _____, 19 ____

EXHIBIT A

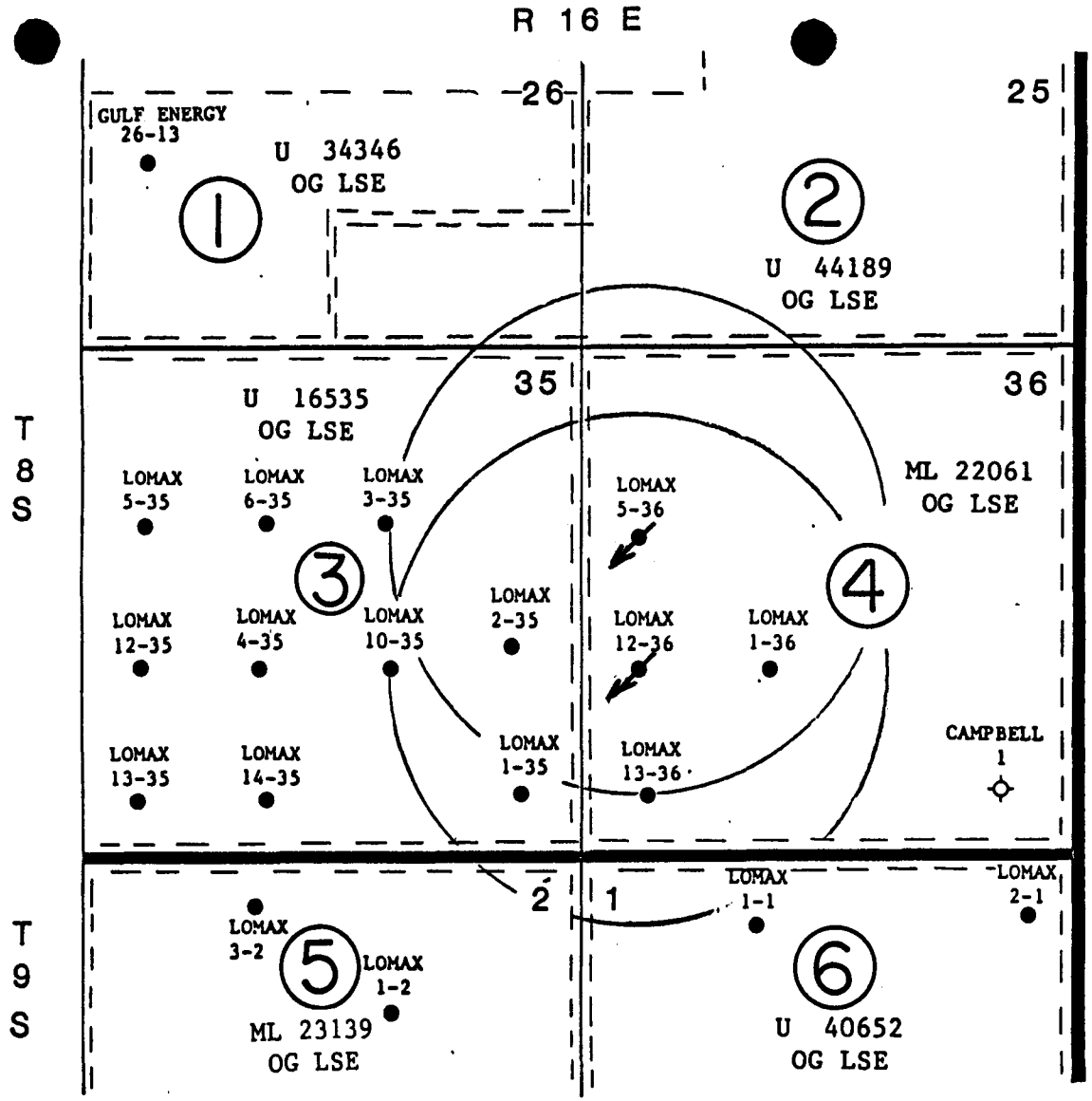
(OVER)




GULF ENERGY 26-13 T.D. 6450'
LOMAX 5-35 T.D. 6020'
LOMAX 6-35 T.D. 5683'
LOMAX 3-35 T.D. 5748'
LOMAX 12-35 T.D. 5680'
LOMAX 4-35 T.D. 5660'
LOMAX 10-35 T.D. 5750'
LOMAX 2-35 T.D. 6455'
LOMAX 13-35 T.D. 6400'
LOMAX 14-35 T.D. 5800'
LOMAX 1-35 T.D. 5565'
LOMAX 5-36 T.D. 5655'
LOMAX 12-36 T.D. 5708'
LOMAX 1-36 T.D. 6407'
LOMAX 13-36 T.D. 5562'
LOMAX 1-1 T.D. 5504'
LOMAX 2-1 T.D. 5750
LOMAX 3-2 T.D. 5904'
LOMAX 1-2 T.D. 5461'
CAMPBELL 1 T.D. 5510'

● PRODUCING WELL
PROPOSED INJECTION WELL
DRY HOLE

# MONUMENT BUTTE
# DUCHESNE CO., UTAH
# SURFACE RIGHTS
# EXHIBIT C1




GULF ENERGY 26-13 T.D. 6450'
LOMAX 5-35 T.D. 6020'
LOMAX 6-35 T.D. 5683'
LOMAX 3-35 T.D. 5748'
LOMAX 12-35 T.D. 5680'
LOMAX 4-35 T.D. 5660'
LOMAX 10-35 T.D. 5750'
LOMAX 2-35 T.D. 6455'
LOMAX 13-35 T.D. 6400'
LOMAX 14-35 T.D. 5800'
LOMAX 1-35 T.D. 5565'
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LOMAX 12-36 T.D. 5708'
LOMAX 1-36 T.D. 6407'
LOMAX 13-36 T.D. 5562'
LOMAX 1-1 T.D. 5504'
LOMAX 2-1 T.D. 5750
LOMAX 3-2 T.D. 5904'
LOMAX 1-2 T.D. 5461'
CAMPBELL 1 T.D. 5510'

● PRODUCING WELL
PROPOSED INJECTION WELL
DRY HOLE

# MONUMENT BUTTE
# DUCHESNE CO., UTAH
# MINERAL RIGHTS
# EXHIBIT C2

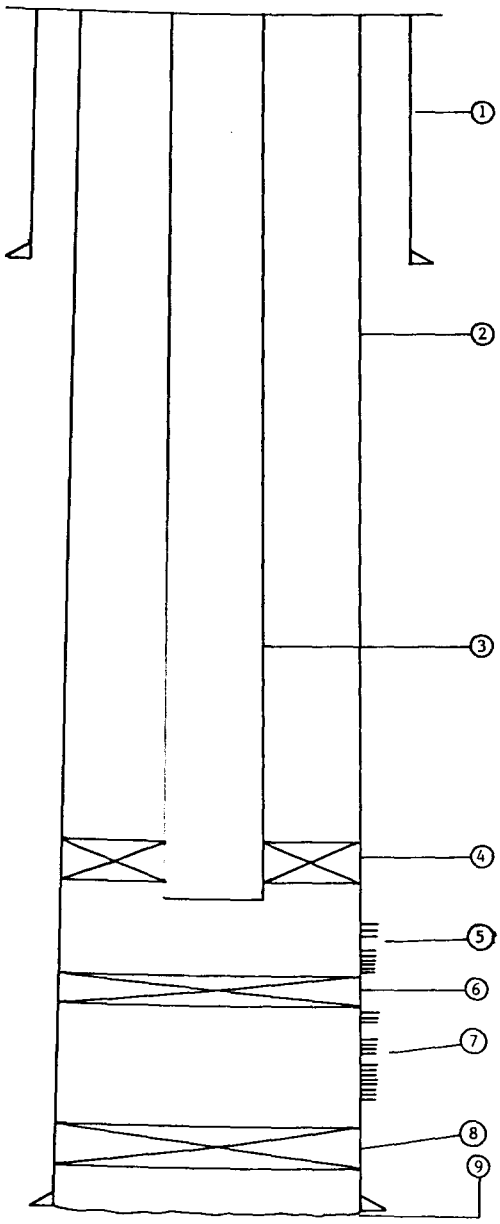
**EXHIBIT D**
Page 1

| Tract | Description of Lands | Minerals Ownership | Minerals Leased By | Federal or State # & Expir. Date | Surface Grazing Rights Leased by |
|---|---|---|---|---|---|
| 1 | T8S, R16E,<br>Sec. 26<br>SW/4, NE SE/4,<br>NW SE/4 | USA | ✓Harper Oil<br>Seattle First Nat'l Bank | U34346<br>Held by Production | Elmer Moon |
| 2 | T8S, R16E,<br>Sec. 25, S/2<br>Sec. 26<br>SE SE/4, SW SE/4 | USA | ✓Antelope Production | U44189<br>Held by Production | Elmer Moon |
| 3 | T8S, R16E,<br>Sec. 25, S/2,<br>Sec. 26,<br>SE SE/4, SW SE/4 | USA | Lee Martin<br>James Fischgrund<br>WHJ Exploration Co.<br>Estate W. S. Dumas, Jr.<br>Thomas Battle<br>Anton Meduna<br>Arden Anderson<br>Edwards & Davis Energy<br>Robison Energy<br>Jerry Robison<br>Gary Womack<br>A. W. Robison<br>Walker Energy<br>Lomax Oil & Gas Co.<br>Lomax Exlporation Co. | U16535<br>Held By Production | Elmer Moon |

| Tract | Description of Lands | Minerals Ownership | Minerals Leased By | Federal or State # & Expir. Date | Surface Grazing Rights Leased by |
|---|---|---|---|---|---|
| 4 | T8S, R16E<br>Sec. 36 ALL | State of Utah | Arden Anderson<br>Anton Meduna<br>Thomas Battle<br>Merit Exploration Co.<br>W. S. Dumas, Jr.<br>Walker Energy<br>Lomax Oil & Gas Co.<br>Lomax Exploration Co. | ML 22061<br>Held by Production | Elmer Moon |
| 5 | T9S, R16E<br>Sec. 2 ALL | State of Utah | Arden Anderson<br>Anton Meduna<br>Thomas Battle<br>Merit Exploration Co.<br>W. S. Dumas, Jr.<br>Walker Energy<br>Lomax Oil & Gas Co.<br>Lomax Exploration Co. | ML 21839<br>Held by Production | Elmer Moon |
| 6 | T9S, R16E<br>Sec. 1, N/2 | USA | Raymond Chorney<br>N.G.C. Production Co.<br>Merit Exploration Co<br>Thomas Battle<br>Arden Anderson<br>Anton Meduna<br>Lomax Oil & Gas Co.<br>Lomax Exploration Co. | U40652<br>Held by Production | Elmer Moon |

EXHIBIT E

**MONUMENT BUTTE STATE #5-36**
PROPOSED WATER INJECTION WELL
SEC. 36, T8S, R16E
DUCHESNE COUNTY, UTAH



1.) 8 5/8", 24#, J-55 casing set @ 238'. Cemented to surface.

2.) 5 1/2", 15.50#, J-55 casing set @ 5650'.

Cement top @ 3298' good to excellent bonding indicated from 3370' to T.D.

3.) 2 7/8", J-55 EUE tubing

4.) Packer set @ 4950'

5.) Perforations: 4991' to 4995'( 3 shot
5000' to 5008'( 6 shots )
(INJECTION ZONE-GREEN RIVER FM.)

6.) C.I.B.P. set @ 5120'

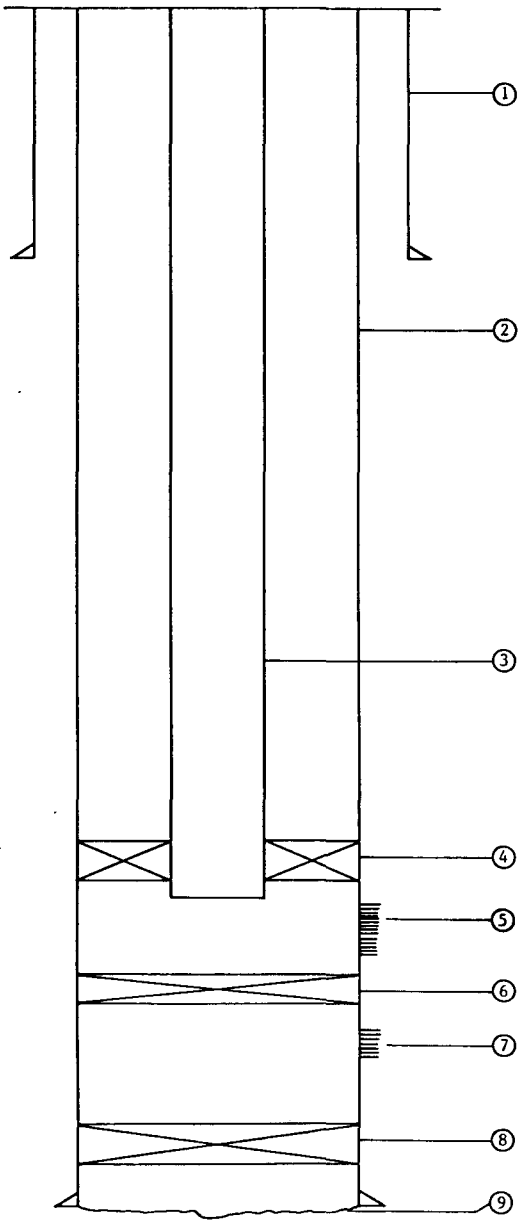
7.) Perforations: 5164' to5168'
( 3 shots ), 5481' to 5486'( 4 shots
5552' to 5562'( 8 shots )

8.) PBTD 5605'

9.) T.D. 5665'. Bottom hole locatio
is same as surface location

EXHIBIT F

**MONUMENT BUTTE STATE #12-36**
**PROPOSED WATER INJECTION WELL**
**SEC. 36, T8S, R16E**
**DUCHESNE COUNTY, UTAH**



1.) 8 5/8", 24#, J-55 casing set @ 306'. Cement w/200 sacks class "G".

2.) 5 1/2", 17#, J-55 casing set @ 5700'

Cement top @ 3050'. Good to excellent bonding is indicated from 3058' to T.D.

3.) 2 7/8", J-55, 65# EUE tubing

4.) Packer set @ 4950'

5.) **Perforations: 4989' to 4998'( 1 SPF ), 5001' to 5006'( 1 SPF )**
**(INJECTION ZONE-GREEN RIVER FM.)**

6.) C.I.B.P. set @ 5240'

7.) Perforations: 5327' to 5359'

8.) PBTD 5661'

9.) T.D. 5707'. Bottom hole location is same as surface location.

EXHIBIT G

HALLIBURTON SERVICES

July 10, 1985

P. O. BOX 339, VERNAL UTAH 84078

Mr. John Steuble
Lomax Exploration
50 West Broadway Suite 1200
Salt Lake City, UT 84101

RE: Frac Gradients
Monuments Butte State
12-36 and 5-36
Sec. 36 Twp. 8 S. Rge 16E
Duchesne County, UT

Dear John:

Below is the information you requested on the above described well.

The 5-36 was fracture stimulated on July 1, 1982. The instant shut-in pressure was 1940 psi. The perforations started at 5481 ft. The water used to displace the frac weighed 8.43 lbs. per gallon, thus the frac gradient is .79.

The 12-36 was fracture stimulated on October 08, 1983. The instant shut-in pressure was 1850 psi. The perforations started at 4989 ft. The water used to displace the frac weighed 8.43 lbs. per gallon, thus the frac gradient is .80.

If any further information is needed, please feel free to contact us.

Thank you,

C. E. Dansie
Field Supervisor
Vernal, UT

CED/pf

cc: C. Morey
D. J. Lube
R. Curtice
R. Jacquier
File

RECEIVED
JUL 15 1985
LOMAX EXPLORATION

# EXHIBIT H

**LOMAX EXPLORATION**
VISCO WATER ANALYSIS
INJECTION WATER

Dissolved Solids

| Cations | Mg/l |
|---|---|
| Sodium $NA^{+}$ | 138 |
| Calcium $CA^{++}$ | 192 |
| Magnesium $Mg^{++}$ | 49 |
| Barium $BA^{++}$ | -0- |
| Total Cations: | 379 |

| Anions | |
|---|---|
| Chloride $Cl^{-}$ | 61 |
| Sulfate $CO_4^{=}$ | 703 |
| Carbonate $CO_3^{=}$ | 0 |
| Bicarbonate $HCO_3^{-}$ | 163 |
| Total Anions: | 927 |

| | |
|---|---|
| Total Dissolved Solids | 1306 |
| Total Iron | -0- |
| pH | 7.8 |

Analysts: J. J. Fitzsimmons
Nalco Chemical Co.

ISCO Water Analysis

repared for Lomax Exploration
Salt Lake City, UT

Greg Pettine
NALCO Chemical Company
11-Jan-85

ell Number : 5-36
ater Source : Produced

ISSOLVED SOLIDS

| ations | | Mg/l | Meq/l | | Mg/l |
|---|---|---|---|---|---|
| odium | Na+ | 7,497.16 | 325.96 | as NaCl | |
| alcium | Ca++ | 124.00 | 6.20 | as CaCO3 | 310.00 |
| agnesium | Mg++ | 9.72 | 0.80 | as CaCO3 | 40.00 |
| arium | Ba++ | | | as CaCO3 | |
| otal Cations | | 7,630.88 | 332.96 | | |

| nions | | Mg/l | Meq/l | | Mg/l |
|---|---|---|---|---|---|
| hloride | Cl- | 11,533.00 | 325.23 | as NaCl | 19,000.00 |
| ulfate | SO4= | 121.68 | 2.53 | as Na2SO4 | 180.00 |
| arbonate | CO3= | | | as CaCO3 | |
| icarb. | HCO3- | 317.20 | 5.20 | as CaCO3 | 260.00 |
| otal Anions | | 11,971.88 | 332.96 | | |

| | | |
|---|---|---|
| otal Solids | 19,602.76 | |
| otal Iron,Fe | 1.00 | as Fe 1.00 |
| cid to Phen,CO2 | | as CaCO3 |

THER PROPERTIES

| | |
|---|---|
| H | 8.00 |
| pecific Gravity | |
| urbidity | |
| xygen, as O2 ppm | |
| ulfide as H2Sppm | |
| emperature F | |

STABILITY INDICES

| Temp | CaCO3 | CaSO4 |
|---|---|---|
| 60 F | 0.31 | -38.62 |
| 80 F | 0.51 | -39.13 |
| 100 F | 0.73 | -39.23 |
| 120 F | 0.98 | -39.70 |
| 140 F | 1.25 | -39.38 |
| 160 F | 1.54 | -38.83 |
| 180 F | 1.86 | -37.56 |

EXHIBIT I